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Highways

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Cogges Link Road Wintering Bird Survey

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Oxfordshire Highways
Cogges Link Road
Wintering Bird Survey

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Executive Summary

- A data search revealed the presence of a number of bird species of conservation importance in the study area.
- Field survey work identified 43 species of birds during 2003, and 27 during 2006, with wren, blackbird and blue tit particularly common.
- Several species noted in 2002 were not observed during 2006, however this is likely to be partly due to the reduced number of visits in 2006.
- 9 of the species identified during 2006 are noted for their conservation significance.
- Most birds were associated with hedgerow, woodland or scrub.
- There was a notable absence of birds typically associated with winter migrations or farmland, such as fieldfare, redwing or starling.
- Although a good abundance of birds were found, the survey area is not considered to be of particular note for the presence of bird species.
- Clearance of vegetation must only be undertaken outside the nesting season or if an ecologist has confirmed the absence of nesting birds.
- Measures e.g. hedgerow planting should be undertaken to compensate for loss of habitat.
- Design of road verges should take species such as barn owls into account.

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1 Introduction

- 1.1.1 Oxfordshire Highways is proposing to build the Cogges Link Road (CLR). The road would cross a number of habitat types including scrub, rough grassland, hedgerows, arable farmland and rivers/streams.
- 1.1.2 A wintering bird survey has been previously carried out by Babbie during the winter period of 2002 and 2003 for the scheme's study area, as well as land adjacent to the Shores Green Slip Roads (SGSR) option. This survey updates the previous data set to provide current data and recommendations relevant to the scheme.
- 1.1.3 The regularly over-wintering British bird species can be found in nearly all types of terrestrial habitats, from bare ground through to woodland and urban habitats. However, large wintering populations of waders and waterfowl are often associated with coasts, inland water bodies, wetlands and areas of inundated grassland. Frequently occurring winter-visitors to farmland include redwing, fieldfare and brambling.
- 1.1.4 The availability of food during the colder months is a crucial factor to the survival of birds during the winter. Seasonally available fruit and berries associated with unmanaged hedgerows as well as areas of arable set-aside with their associated seeds and invertebrates acquire a particular importance to foraging farmland birds at this time of year.

1.2 Biology

- 1.2.1 Over 500 species of birds have been recorded from Britain and Ireland and the list of species grows on an annual basis. However, only around half of these species can be described as regularly occurring 'British' birds. There are approximately 255 bird species regularly occurring in the UK. These species are resident all year round, regular breeders, and regular winter visitors or have been observed to pass through Britain on passage to other areas. Passage migrants pass through a site or region in spring and autumn, on their way to their breeding and wintering grounds.

1.3 Status and Legislation

- 1.3.1 All wild birds, their eggs and their nests are protected under the Wildlife and Countryside Act 1981, as amended (W&CA, 1981) and the Countryside and Rights of Way Act 2000, making it an offence to intentionally or recklessly:
- Kill, injure or take most species of wild bird;
 - Take, damage or destroy their nests; or
 - Take or destroy their eggs.
- 1.3.2 Some rare species are afforded special protection; these are listed on Schedule 1 of the Act. For those species included on Schedule 1 of the W&CA, it is also an offence to disturb the adults while they are in and around their nest or their dependent young. Species included on Schedule 1 are those of high nature

conservation priority or otherwise in greater need of legal protection.

- 1.3.3 The Birds of Conservation Concern (BoCC) is a list agreed by the UK's leading non-governmental bird conservation organisations, such as the Royal Society for the Protection of Birds (RSPB). The population status of birds regularly found in the UK, Channel Islands and the Isle of Mann is reviewed every five years to provide an up-to-date assessment of conservation priorities.
- 1.3.4 Bird species of high conservation concern have been given 'Red List' status and bird species of medium conservation concern have been given 'Amber List' status (Gregory et al, 2002). For the more common and widespread species, the reason for inclusion on the red and amber lists is usually a significant decline in the UK population or range in the 25 years preceding 2002. For Red List species this decline is greater than 50% and for Amber List species, between 25 and 50%. Other reasons for addition to the lists include 20% of the European breeding or non-breeding population being found in the UK and 50% of the UK breeding or non-breeding population being restricted to 10 or less sites.
- 1.3.5 Bird species of high conservation concern are Priority species in the UK Biodiversity Action Plan (HM Government 1995; 1998). The Biodiversity Action Plan (BAP) for the United Kingdom (UK BAP) was set up by the government in response to the Convention on Biodiversity (CBD) which was signed in 1992. The UKBAP provides advice on action to conserve the country's wildlife. Many of these species are considered to be Species of Principal Importance for the Conservation of Biodiversity (SPIs) in England under Section 74 of the Countryside and Rights of Way Act 2000. This places a duty on all government departments to have regard for the conservation of these species and on the Secretary of State to further, or promote others to further, the conservation of these species.
- 1.3.6 Red and Amber List species are not necessarily the same as Schedule 1 species, Priority species in the UKBAP or SPIs.
- 1.3.7 Wintering birds are protected primarily through site designation, with sites supporting over 1% of the UK's wintering bird population being recognised as a nationally important resource (JNCC 1994) and potentially suitable for designation as a Site of Special Scientific Interest (SSSI).

2 Methodology

2.1 Desktop Study

2.1.1 Ecological records for the study area were requested from the Thames Valley Environmental Records Centre (TVERC) in February 2007. The study area for the desktop search was extended to 1km from the site. These records include details of designated sites and protected species and are provided in Appendix I to this report.

2.2 Field Survey

2.2.1 The study area was surveyed on 27 and 28 February, 1 March and 10 March 2006 by two ecologists. The study area was walked and the location, species and number of all birds encountered were recorded onto an Ordnance Survey plan using the standard British Trust for Ornithology (BTO) abbreviations. The study area with habitat classifications is illustrated on the survey plan (Appendix II). A list of species recorded and their conservation status is provided in Appendix IV, the 2006 survey results can be found in Appendix III.

2.2.2 Attention was paid to the classification of habitat within parcels identified during the 2002-2003 survey to ensure that these categorisations were still accurate. Each habitat parcel classification is illustrated on the survey plan.

2.3 Limitations to Survey

2.3.1 The study area was visited late in the season for collecting wintering bird survey due to a delay in receiving access permission. Ideally two other survey visits would have been carried out earlier in the winter period.

2.3.2 Most habitat parcels share boundaries, i.e. hedges or watercourses, with those adjacent to them and therefore some bird species recorded within these boundaries will be associated with more than one habitat area.

2.3.3 One set of data was obtained for the whole study area from 27 February to 1 March 2006. Parcel 18 was surveyed from the top of a farm track which meets the road to the dismantled railway. Habitat parcels 26, 27 and 28 were not surveyed in the 2006 study.

3 Findings

3.1 Desktop Study

- 3.1.1 Information provided by the TVERC shows that one County Wildlife Site (CWS), Witney Marsh (Grimes Meadow) is within 1km of the study area. This site, SP360099, is an unimproved marshy grassland adjacent to the River Windrush. The citation indicates a presence of the Schedule 1 species Kingfisher *Alcedo atthis*.
- 3.1.2 Witney Lake and Meadows Country Park and Langel Common (see Designated sites map, Appendix I) are all within the search area, with part of the meadows country park within the study area for the scheme (habitat parcel 10, see Appendix III). TVERC records for “Witney Swamp” SP360085 correspond to the southern part of the country park; records for “Windrush Birds, north” SP360091 correspond to the northern part of the country park.
- 3.1.3 Bird records held by TVERC are summarized in the table below. Appendix IV describes their conservation status.

Common Name Abundance in brackets	Date	Location
Barn owl (2)	Feb 2004; June 1999	Cogges Manor Farm; Witney Swamp
Blackheaded gull (2)	1974 – 1992; Feb - 91	Cogges Manor Farm; The Moors Gravel Pit
Bullfinch (4)	May 1990; 1974 – 1992; Feb 1991	Cogges Manor Farm; The Moors Gravel Pit
Cuckoo (3)	May 1990; 1974 – 1992; Pre-1982	Cogges Manor Farm; Windrush
Curlew (1)	Pre-1982	Witney Swamp
Dunnock (6)	May 1990; 1974 - 1992	Cogges Manor Farm
Fieldfare (2)	1974 – 1992; Feb 1991	Cogges Manor Farm; The Moors Gravel Pit
Goldcrest (3)	1974 – 1992; Feb 1991; Pre-1982	Cogges Manor Farm; The Moors Gravel Pit; Windrush
Green woodpecker (1)	1974 - 1992	Cogges Manor Farm
Grey Partridge (1)	1974 - 1992	Cogges Manor Farm
Grey wagtail (3)	1974 - 1992; Pre-1982	Cogges Manor Farm; Windrush; Witney Swamp
House Martin (6)	May 1990; June 1984	Cogges Manor Farm
House Sparrow (6)	May 1990; June 1984	Cogges Manor Farm
Kestrel (3)	1974 – 1992; Feb 1991; Pre 1982	Cogges Manor Farm; The Moors Gravel Pit; Windrush
Kingfisher (8)	1974 – 1992; Aug-96; Sept 96; Pre-1982	Cogges Manor Farm; Windrush; Witney Swamp

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Common Name Abundance in brackets	Date	Location
Lapwing (2)	1974 - 1992	Cogges Manor Farm
Lesser black backed gull (2)	1974 – 1992; Feb - 91	Cogges Manor Farm; The Moors Gravel Pit
Lesser spotted woodpecker (1)	1974 - 1992	Cogges Manor Farm
Linnet (1)	1974 - 1992	Cogges Manor Farm
Marsh tit (1)	1974 - 1992	Cogges Manor Farm
Meadow pipit (1)	1974 - 1992	Cogges Manor Farm
Mistle thrush (2)	1974 – 1992; Feb 1991	Cogges Manor Farm; The Moors Gravel Pit
Mute Swan (12)	May 1990; 1974 – 1992; June 1984; Sept 1996; Feb 1991	Cogges Manor Farm
Pochard (1)	Feb 1991	The Moors Gravel Pit
Redshank (2)	Pre-1982	Windrush; Witney Swamp
Redwing (2)	1974 – 1992; Feb 1991	Cogges Manor Farm; The Moors Gravel Pit
Reed bunting (4)	1974 – 1992; June 1984; Pre-1982	Cogges Manor Farm; Windrush; Witney Swamp
Sand martin (2)	1974 – 1992; June 1984	Cogges Manor Farm
Skylark (2)	1974 – 1992; June 1984	Cogges Manor Farm
Snipe (1)	Pre-1982	Windrush
Song Thrush (6)	May 1990; 1974 – 1992; June 1984; Feb 1991	Cogges Manor Farm; The Moors Gravel Pit
Spotted flycatcher (3)	May 1990; 1974 – 1992; June 1984	Cogges Manor Farm
Starling (9)	May 1990; June 1984; Feb 1991	Cogges Manor Farm; The Moors Gravel Pit
Stock dove (1)	1974 - 1992	Cogges Manor Farm
Stonechat (1)	Pre-1982	Witney Swamp
Swallow (8)	May 1990; June 1984; June 1984	Cogges Manor Farm
Turtle dove (1)	1974 - 1992	Cogges Manor Farm
Water rail (2)	Pre-1982	Windrush; Witney Swamp
Willow warbler (3)	May 1990; 1974 – 1992; Pre-1982	Cogges Manor Farm; Windrush
Yellow wagtail (2)	June 1984; Pre-1982	Cogges Manor Farm; Windrush; Witney Swamp
Yellowhammer (2)	May 1990; 1974 - 1992	Cogges Manor Farm

3.2 Field Survey 2002-2003

3.2.1 The 2002-2003 survey results can be found in Appendix V. Field surveys covered both the CLR and SGSR study areas. Only those results that relate to the CLR area are included in this report. Overall a total of 43 species of birds

were recorded using a range of habitats. The survey results show that several of the 43 species were likely to have arrived following winter migration, including greater black-backed gull, black headed gull, redwing, fieldfare, starling, redpoll and siskin.

- 3.2.2 The most frequently encountered species were wren, blackbird, robin, blue tit, woodpigeon and chaffinch. Flocks of yellowhammer were also observed.

3.3 Field Survey 2006

Weather Conditions

- 3.3.1 Temperatures remained low between 27 February and 1 March; ranging from just above freezing to 5°C. Limited data was obtained on the afternoon of 28 February due to a heavy sleet shower. The survey on the 10 March was carried out in the afternoon. Weather conditions were very windy with some drizzle and the temperature was approximately 9.5°C.

Field Survey Results

- 3.3.2 A total of 27 bird species were recorded within the study area during the survey. The most numerous bird species were blackbirds *Turdus merula*, blue tit *Parus caeruleus*, great tit *Parus major*, woodpigeon *Columba palumbus* and Carrion crow *Corvus corone*.
- 3.3.3 A total of 9 species were recorded with conservation significance; bullfinch, grey partridge, house sparrow, linnet and song thrush (BOCC red list, UK BAP species), dunnoek, goldcrest *Regulus regulus*, green woodpecker *Picus viridis*, kestrel *Falco tinnunculus* (BOCC amber list).
- 3.3.4 The majority of birds recorded during the survey visits were associated with hedgerows, woodland or scrub. Birds commonly associated with winter migrations such as redwing *Turdus iliacus* and fieldfare *Turdus pilaris* were not recorded during the surveys. Great tit, long-tailed tit *Aegithalos caudatus* and blue tit and greenfinch, goldfinch and chaffinch *Fringella coelebs* may have been under recorded in some habitat parcels due to them being present in moving flocks.
- 3.3.5 There were no species recorded within Witney Meadows which were not present elsewhere within the survey area. Although the abundance of birds was good, it was not significantly large compared to other areas. This survey indicates the area is not worthy of particular note for presence of bird species.
- 3.3.6 Classification of habitat parcels had not changed since the 2002-2003 Wintering Bird Survey.

4 Discussion

- 4.1.1 Despite historical records, an absence of birds commonly associated with winter migrations or farmland such as fieldfare, redwing and starling was recorded. These birds were noted to have been present on other areas of farmland in Oxfordshire during the period that the survey was undertaken. A lack of suitable habitat (rough grassland and stubble on fields) may account for the absence of these birds. Several species recorded in the 2002-2003 survey were not recorded in 2006 including starling, treecreeper, chiffchaff, siskin, redwing, reed bunting, greater spotted woodpecker, fieldfare, mistle thrush, pheasant, yellowhammer, redpoll, meadow pipit, blackcap, lapwing, pied wagtail, and the 9 winter migrants listed in paragraph 3.2.1. The 2002-2003 survey was carried out over a longer period – November to February, with an additional 2 visits made. This is likely to account, in part, for the reduced numbers of species recorded in 2006.
- 4.1.2 The site supports over-wintering populations and flocks for a range of common and widespread species that are typical of the habitats present within the study area and are likely to be present in comparable numbers and densities in similar farmland habitats throughout rural Oxfordshire.
- 4.1.3 However, the site does support a number of species of conservation and legal significance as detailed in paragraph 3.3.3. The species of conservation concern recorded are all common and widespread species that are undergoing a major or moderate decline in their populations but are not rare at the present time. The site is not considered to be of special importance for these protected species or species of conservation concern. Populations of all species found within the site are considered to be of local importance.
- 4.1.4 A greater diversity of bird species was associated with hedgerows than the other habitats present within the study area; birds such as, blue tit, great tit, blackbird, robin, greenfinch, chaffinch and wren.
- 4.1.5 Lapwings (BOCC amber list) may use this site. This species was recorded from Parcel 16 in the 2002-2003 survey but not during the 2006 survey.
- 4.1.6 Surrounding designated areas such as Witney Marsh (CWS) and Ducklington Mead (SSSI) will not be directly impacted by works within the study area. Indirect impacts to the bird interest within these designated sites are likely to be small due to the distance from the study area and the limited bird interest and numbers observed during survey in the study area.

5 Recommendations

- 5.1.1 Under the Wildlife and Countryside Act 1981, it is an offence to disturb nesting birds. Therefore, any works such as tree/scrub clearance affecting nesting areas must be avoided during the nesting season which runs from end of February to the end of August. Alternatively, if works cannot be appropriately scheduled, vegetation must be inspected beforehand by a suitably experienced ecologist. Clearance must only be undertaken if the ecologist has confirmed the absence of nesting birds.
- 5.1.2 Measures should be undertaken to compensate for the loss of habitat. This should include hedgerow planting with native species of local origin that produce fruit and seeds suitable for birds. These species include oak *Quercus robur*, ash *Fraxinus excelsior*, alder *Alnus glutinosa*, goat willow *Salix caprea*, dogwood *Cornus sanguinea*, hazel *Corylus avellana*, hawthorn *Crataegus monogyna*, blackthorn *Prunus spinosa* and guelder rose *Viburnum opulus*.
- 5.1.3 Loss of aquatic habitat should be compensated through creation of new water bodies. These should be appropriately planted and managed to maximise their value to birds.
- 5.1.4 Sowing a native and preferably local provenance species-rich seed mix on road verges will increase invertebrate diversity. With appropriate management this will directly benefit birds by providing them with a greater diversity of food.
- 5.1.5 Measures such as creation of wet woodland within the site and installation of bird boxes in the adjacent woodland within the northern part of the country park will be used to offset impacts from habitat loss.
- 5.1.6 Road design should encompass careful design of road verges. Barn owl presence in the study area has been established from historical records and a road traffic casualty was noted in the SGSR study area on the 22 June 2006. This species uses wide road verges to hunt and this behaviour results in road traffic accidents. On minor roads barn owls are fifty-seven times more likely to be seen alive than found dead. Conversely, on major roads barn owls are three times more likely to be found dead than seen alive (Barn Owl Trust, undated). Advice provided by the document "Barn Owls and Major Roads" should be adhered to wherever possible and the mitigation requirements of birds and other species also taken into account in road verge design.

6 References

Gregory et al (2002). The population status of birds in the United Kingdom, Channel Islands and Isle of Man: an analysis of conservation concern 2002-2007. *British Birds* 95: 410-450.

Babtie (July, 2004) Cogges Link: Wintering Bird Survey

Barn Owl Trust (undated). Barn Owls and Major Roads

JNCC (1994). Guidelines for selection of biological SSSIs

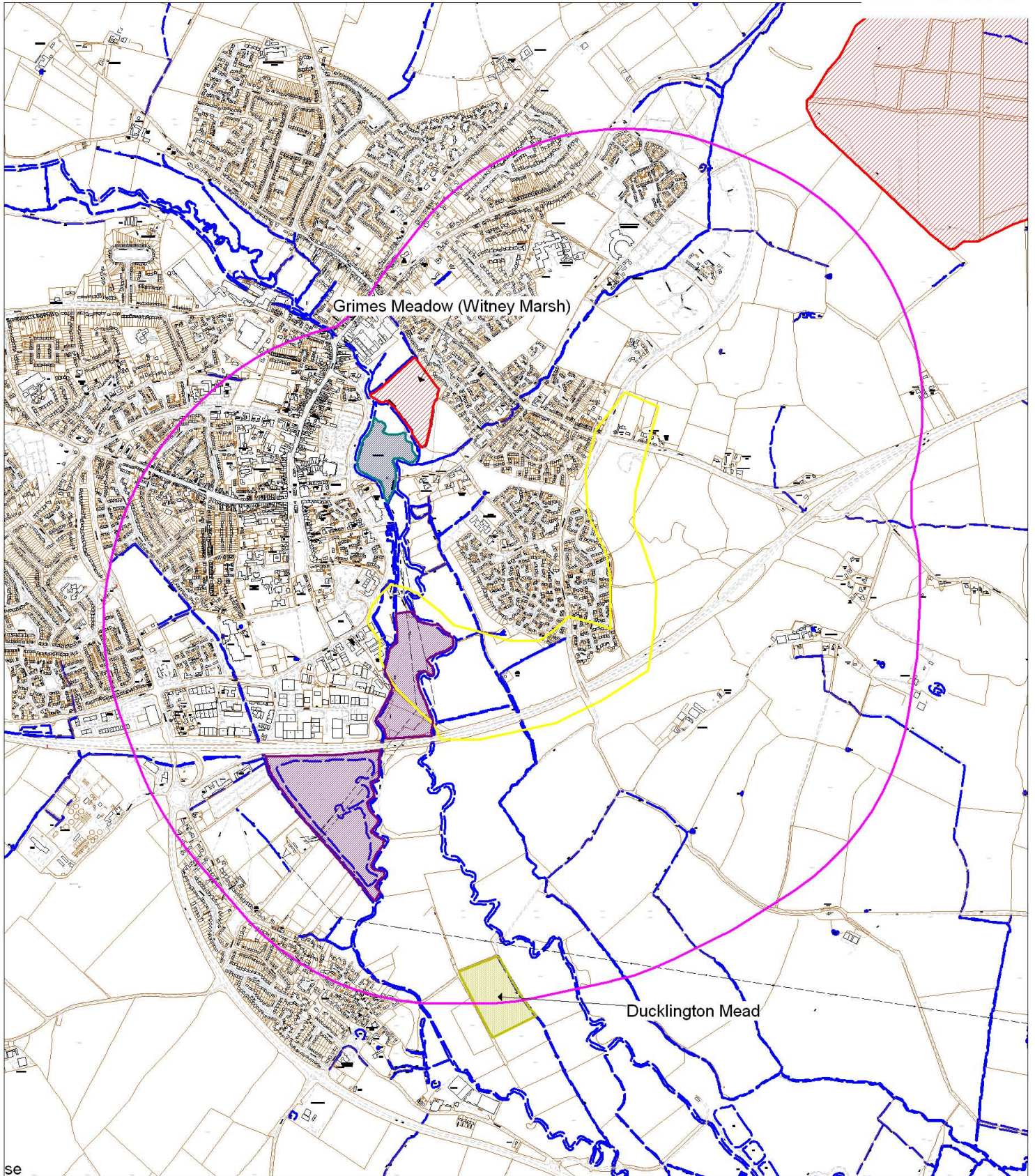
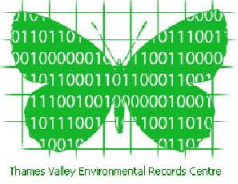
Appendix I: Desktop Survey Data

Bat Species Records

Cogges Link Road 5km Search Area

Common Name	Scientific Name	Sex/stage	Date	Grid ref.	Site	Sub-site/Locality	UK Legislation	European Legislation	UK BAP Status
Natterer's Bat	Myotis nattereri		03-Apr-05	SP352131	Wood Lane, Delly End, Hailey.		Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994	
Pipistrelle	Pipistrellus pipistrellus		02-Jun-93	SP354079	Oxon tetrad 3406	Ducklington	Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994	Priority Sp.
Pipistrelle	Pipistrellus pipistrellus		07-Jul-92	SP360108	Oxon tetrad 3610	Witney	Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994	Priority Sp.
Pipistrelle	Pipistrellus pipistrellus		07-Jul-92	SP360108	Oxon tetrad 3610	Witney	Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994	Priority Sp.
Brown Long-eared Bat	Plecotus auritus		27-Oct-93	SP345139	Oxon tetrad 3412	Witney	Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994	
Brown Long-eared Bat	Plecotus auritus		24-Aug-94	SP362095	Cogges Manor Farm		Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994	
Brown Long-eared Bat	Plecotus auritus	adult	28-Sep-97	SP362095	Cogges Manor Farm		Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994	
Brown Long-eared Bat	Plecotus auritus		02-Nov-91	SP374130	Oxon tetrad 3612	Witney	Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994	
Brown Long-eared Bat	Plecotus auritus		17-Nov-88	SP385125	Oxon tetrad 3812	private house	Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994	
Brown Long-eared Bat	Plecotus auritus		27-Sep-94	SP401080	Oxon tetrad 4008	South Leigh	Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994	

Data Search Witney Cogges Link Road. Designated Sites



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Scale 1:20000

Legally Protected & Notable/Rare Species Records

Cogges 1km Search Area

Common Name	Scientific Name	Abundance	Sex/stage	Date	Grid ref.	Site	Sub-site/Locality	IUCN Red List Status	UK Legislation	European Legislation	UK BAP Status	Notable Invertebrates	BOCC Status	Nat. Rare/Scarce Plants	UK Red List (Vascular Plants)
a lichen	Acarospora glaucocarpa			07-Sep-78	SP362096	Cogges Manor Farm	BUILDINGS AND WALLS							Scarce (Lic)	
Fritillary	Fritillaria meleagris			24-May-90	SP361093	Cogges Manor Farm	MEADOW ENCLOSURES							Scarce (VP)	VU
Fritillary	Fritillaria meleagris			14-Jun-93	SP361093	Cogges Manor Farm	MEADOW ENCLOSURES							Scarce (VP)	VU
Bluebell	Hyacinthoides non-scripta			25-May-90	SP361095	Cogges Manor Farm	MOATED SITE			W&C Act 1981, Schedule 8, Section 13 Part 2					
Bluebell	Hyacinthoides non-scripta			08-Oct-92	SP361095	Cogges Manor Farm	MOATED SITE			W&C Act 1981, Schedule 8, Section 13 Part 2					
Rough Marsh-mallow	Althaea hirsuta			08-Oct-92	SP362096	Cogges Manor Farm	ORCHARD	IUCN (1994) - Endangered		Schedule 8 (W&C Act 1981)					
Water Vole	Arvicola terrestris			1975	SP362095	Cogges Manor Farm				Schedule 5, parts 4(a) and (b) (W&C Act 1981)	Priority Sp.				
Bluebell	Hyacinthoides non-scripta			1978	SP362095	Cogges Manor Farm				W&C Act 1981, Schedule 8, Section 13 Part 2					
Water Vole	Arvicola terrestris			08-Jan-75	SP362095	Cogges Manor Farm				Schedule 5, parts 4(a) and (b) (W&C Act 1981)	Priority Sp.				
a ramshorn snail	Gyraulus acronicus			17-Mar-78	SP362095	Cogges Manor Farm		IUCN (pre 1994) - Vulnerable							
Grass Snake	Natrix natrix			05-Sep-78	SP362095	Cogges Manor Farm				Schedule 5, parts 1, 5(a) and (b) (W&C Act 1981)					
a lichen	Acarospora glaucocarpa			07-Sep-78	SP362095	Cogges Manor Farm								Scarce (Lic)	
Orange-fruited Elm-lichen	Caloplaca luteoalba			07-Sep-78	SP362095	Cogges Manor Farm		IUCN (1994) - Vulnerable		Schedule 8 (W&C Act 1981)	Priority Sp.				
Teal	Anas crecca	33	adult	12-Dec-80	SP362095	Cogges Manor Farm							Amber List		
Common Frog	Rana temporaria			05-Apr-81	SP362095	Cogges Manor Farm				Schedule 5, parts 5(a) and (b) (W&C Act 1981)					
Large Tortoiseshell	Nymphalis polychloros			02-Sep-81	SP362095	Cogges Manor Farm		IUCN (pre 1994) - Endangered		Schedule 5, parts 5(a) and (b) (W&C Act 1981)					
Large Heath	Coenonympha tullia			02-Sep-81	SP362095	Cogges Manor Farm				Schedule 5, parts 5(a) and (b) (W&C Act 1981)					
a leaf beetle	Longitarsus ganglbaueri			13-May-82	SP362095	Cogges Manor Farm						Na			
Argent and Sable	Rheumaptera hastata			02-Jul-82	SP362095	Cogges Manor Farm						Nb			
Bordered Gothic	Heliophobus reticulata			02-Jul-82	SP362095	Cogges Manor Farm					Priority Sp.	Nb			
Bordered Gothic	Heliophobus reticulata			02-Jul-82	SP362095	Cogges Manor Farm					Priority Sp.	Nb			
Purple-bordered Gold	Idaea muricata			10-Sep-82	SP362095	Cogges Manor Farm						Na			
Common Lizard	Lacerta vivipara			10-Jun-83	SP362095	Cogges Manor Farm				Schedule 5, parts 1, 5(a) and (b) (W&C Act 1981)					
Grass Snake	Natrix natrix			25-Jun-84	SP362095	Cogges Manor Farm				Schedule 5, parts 1, 5(a) and (b) (W&C Act 1981)					
Dotted Rustic	Rhyacia simulans		adult	11-Jul-85	SP362095	Cogges Manor Farm						Nb			
Lunar Yellow Underwing	Noctua orbona		adult	25-Jul-85	SP362095	Cogges Manor Farm					Priority Sp.	Nb			
Marbled Green	Cryphia muralis		adult	08-Aug-85	SP362095	Cogges Manor Farm						Nb			
a micro-moth	Bryotropha basaltinella			30-Jun-88	SP362095	Cogges Manor Farm						Notable			
Slow-worm	Anguis fragilis			16-May-89	SP362095	Cogges Manor Farm				Schedule 5, parts 1, 5(a) and (b) (W&C Act 1981)					
Smooth Newt	Triturus vulgaris			03-May-90	SP362095	Cogges Manor Farm				Schedule 5, parts 5(a) and (b) (W&C Act 1981)					
Mute Swan	Cygnus olor			21-May-90	SP362095	Cogges Manor Farm							Amber List		
Swallow	Hirundo rustica			21-May-90	SP362095	Cogges Manor Farm							Amber List		
House Martin	Delichon urbica			21-May-90	SP362095	Cogges Manor Farm							Amber List		
Dunnock	Prunella modularis			21-May-90	SP362095	Cogges Manor Farm							Amber List		
Song Thrush	Turdus philomelos			21-May-90	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Starling	Sturnus vulgaris			21-May-90	SP362095	Cogges Manor Farm							Red List		
House Sparrow	Passer domesticus			21-May-90	SP362095	Cogges Manor Farm							Red List		
Mute Swan	Cygnus olor			22-May-90	SP362095	Cogges Manor Farm							Amber List		
Swallow	Hirundo rustica			22-May-90	SP362095	Cogges Manor Farm							Amber List		
House Martin	Delichon urbica			22-May-90	SP362095	Cogges Manor Farm							Amber List		
Dunnock	Prunella modularis			22-May-90	SP362095	Cogges Manor Farm							Amber List		
Starling	Sturnus vulgaris			22-May-90	SP362095	Cogges Manor Farm							Red List		
House Sparrow	Passer domesticus			22-May-90	SP362095	Cogges Manor Farm							Red List		
Bullfinch	Pyrrhula pyrrhula			22-May-90	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Mute Swan	Cygnus olor			23-May-90	SP362095	Cogges Manor Farm							Amber List		
Swallow	Hirundo rustica			23-May-90	SP362095	Cogges Manor Farm							Amber List		
House Martin	Delichon urbica			23-May-90	SP362095	Cogges Manor Farm							Amber List		
Dunnock	Prunella modularis			23-May-90	SP362095	Cogges Manor Farm							Amber List		
Song Thrush	Turdus philomelos			23-May-90	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Spotted Flycatcher	Muscicapa striata			23-May-90	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Starling	Sturnus vulgaris			23-May-90	SP362095	Cogges Manor Farm							Red List		
House Sparrow	Passer domesticus			23-May-90	SP362095	Cogges Manor Farm							Red List		

Legally Protected & Notable/Rare Species Records

Cogges 1km Search Area

Common Name	Scientific Name	Abundance	Sex/stage	Date	Grid ref.	Site	Sub-site/Locality	IUCN Red List Status	UK Legislation	European Legislation	UK BAP Status	Notable Invertebrates	BOCC Status	Nat. Rare/Scarce Plants	UK Red List (Vascular Plants)
Bullfinch	Pyrrhula pyrrhula			23-May-90	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Mute Swan	Cygnus olor			24-May-90	SP362095	Cogges Manor Farm							Amber List		
Cuckoo	Cuculus canorus			24-May-90	SP362095	Cogges Manor Farm							Amber List		
Swallow	Hirundo rustica			24-May-90	SP362095	Cogges Manor Farm							Amber List		
House Martin	Delichon urbica			24-May-90	SP362095	Cogges Manor Farm							Amber List		
Dunnock	Prunella modularis			24-May-90	SP362095	Cogges Manor Farm							Amber List		
Song Thrush	Turdus philomelos			24-May-90	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Willow Warbler	Phylloscopus trochilus			24-May-90	SP362095	Cogges Manor Farm							Amber List		
Spotted Flycatcher	Muscicapa striata			24-May-90	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Starling	Sturnus vulgaris			24-May-90	SP362095	Cogges Manor Farm							Red List		
House Sparrow	Passer domesticus			24-May-90	SP362095	Cogges Manor Farm							Red List		
Yellowhammer	Emberiza citrinella			24-May-90	SP362095	Cogges Manor Farm							Red List		
Mute Swan	Cygnus olor			25-May-90	SP362095	Cogges Manor Farm							Amber List		
Lapwing	Vanellus vanellus			25-May-90	SP362095	Cogges Manor Farm							Amber List		
Swallow	Hirundo rustica			25-May-90	SP362095	Cogges Manor Farm							Amber List		
House Martin	Delichon urbica			25-May-90	SP362095	Cogges Manor Farm							Amber List		
Dunnock	Prunella modularis			25-May-90	SP362095	Cogges Manor Farm							Amber List		
Starling	Sturnus vulgaris			25-May-90	SP362095	Cogges Manor Farm							Red List		
House Sparrow	Passer domesticus			25-May-90	SP362095	Cogges Manor Farm							Red List		
Dotted Rustic	Rhyacia simulans			30-Jul-91	SP362095	Cogges Manor Farm						Nb			
Marbled Green	Cryphia muralis			30-Jul-91	SP362095	Cogges Manor Farm						Nb			
a thick-legged flower beetle	Ischnomera cyanea			19-May-92	SP362095	Cogges Manor Farm						Nb			
a thick-legged flower beetle	Ischnomera cyanea			19-May-92	SP362095	Cogges Manor Farm						Nb			
Sloe Pug	Chloroclystis chloerata			09-Jun-92	SP362095	Cogges Manor Farm						Na			
a ground beetle	Harpalus ardosiacus			30-Jun-92	SP362095	Cogges Manor Farm						Nb			
Pale Shining Brown	Polia bombycina			30-Jun-92	SP362095	Cogges Manor Farm					Priority Sp.				
Bluebell	Hyacinthoides non-scripta			08-Oct-92	SP362095	Cogges Manor Farm			W&C Act 1981, Schedule 8, Section 13 Part 2						
Harvest Mouse	Micromys minutus		nest	05-Jul-93	SP362095	Cogges Manor Farm		IUCN (1994) - Lower risk - least concern							
Brown Long-eared Bat	Plecotus auritus			24-Aug-94	SP362095	Cogges Manor Farm			Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994					
Common Toad	Bufo bufo			25-Apr-95	SP362095	Cogges Manor Farm			Schedule 5, parts 5(a) and (b) (W&C Act 1981)						
Brown Long-eared Bat	Plecotus auritus	1	adult	28-Sep-97	SP362095	Cogges Manor Farm			Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994					
Fritillary	Fritillaria meleagris	2		27-Apr-98	SP362095	Cogges Manor Farm								Scarce (VP)	VU
a ground beetle	Badister unipustulatus			18-May-98	SP362095	Cogges Manor Farm						Nb			
Flax Flea Beetle	Longitarsus parvulus	3	adult	17-Aug-98	SP362095	Cogges Manor Farm						Na			
Common Frog	Rana temporaria		adult	17-Aug-98	SP362095	Cogges Manor Farm			Schedule 5, parts 5(a) and (b) (W&C Act 1981)						
a ground beetle	Bembidion gilvipes			24-May-99	SP362095	Cogges Manor Farm						Nb			
a thick-legged flower beetle	Ischnomera cyanea			24-May-99	SP362095	Cogges Manor Farm						Nb			
a money spider	Lepthyphantes insignis	1	male	01 OCT 1990	SP362095	Cogges Manor Farm						Nb			
a money spider	Lepthyphantes insignis	1	female	01 OCT 1990	SP362095	Cogges Manor Farm						Nb			
Mute Swan	Cygnus olor			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Kestrel	Falco tinnunculus			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Grey Partridge	Perdix perdix			1974 - 1992	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Lapwing	Vanellus vanellus			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Black-headed Gull	Larus ridibundus			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Lesser Black-backed Gull	Larus fuscus			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Stock Dove	Columba oenas			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Turtle Dove	Streptopelia turtur			1974 - 1992	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Cuckoo	Cuculus canorus			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Kingfisher	Alcedo atthis			1974 - 1992	SP362095	Cogges Manor Farm			Schedule 1 (W&C Act 1981)				Amber List		
Green Woodpecker	Picus viridis			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Lesser Spotted Woodpecker	Dendrocopos minor			1974 - 1992	SP362095	Cogges Manor Farm							Red List		
Skylark	Alauda arvensis			1974 - 1992	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Sand Martin	Riparia riparia			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Swallow	Hirundo rustica			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
House Martin	Delichon urbica			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Meadow Pipit	Anthus pratensis			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Grey Wagtail	Motacilla cinerea			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Dunnock	Prunella modularis			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Fieldfare	Turdus pilaris			1974 - 1992	SP362095	Cogges Manor Farm			Schedule 1 (W&C Act 1981)				Amber List		
Song Thrush	Turdus philomelos			1974 - 1992	SP362095	Cogges Manor Farm					Priority Sp.		Red List		

Legally Protected & Notable/Rare Species Records

Cogges 1km Search Area

Common Name	Scientific Name	Abundance	Sex/stage	Date	Grid ref.	Site	Sub-site/Locality	IUCN Red List Status	UK Legislation	European Legislation	UK BAP Status	Notable Invertebrates	BOCC Status	Nat. Rare/Scarce Plants	UK Red List (Vascular Plants)
Redwing	Turdus iliacus			1974 - 1992	SP362095	Cogges Manor Farm			Schedule 1 (W&C Act 1981)				Amber List		
Mistle Thrush	Turdus viscivorus			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Willow Warbler	Phylloscopus trochilus			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Goldcrest	Regulus regulus			1974 - 1992	SP362095	Cogges Manor Farm							Amber List		
Spotted Flycatcher	Muscicapa striata			1974 - 1992	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Marsh Tit	Parus palustris			1974 - 1992	SP362095	Cogges Manor Farm							Red List		
Starling	Sturnus vulgaris			1974 - 1992	SP362095	Cogges Manor Farm							Red List		
House Sparrow	Passer domesticus			1974 - 1992	SP362095	Cogges Manor Farm							Red List		
Tree Sparrow	Passer montanus			1974 - 1992	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Linnet	Carduelis cannabina			1974 - 1992	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Bullfinch	Pyrrhula pyrrhula			1974 - 1992	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Yellowhammer	Emberiza citrinella			1974 - 1992	SP362095	Cogges Manor Farm							Red List		
Reed Bunting	Emberiza schoeniclus			1974 - 1992	SP362095	Cogges Manor Farm					Priority Sp.		Red List		
Round-fruited Rush	Juncus compressus			2001	SP360099	Cogges Meadow									NT
Fritillary	Fritillaria meleagris			11-May-81	SP364076	Ducklington Mead SSSI								Scarce (VP)	VU
Opposite-leaved Pondweed	Groenlandia densa			03-Sep-96	SP36550768	Ducklington Meadows Ditches									VU
Grass Snake	Natrix natrix			03-Sep-96	SP36550768	Ducklington Meadows Ditches			Schedule 5, parts 1, 5(a) and (b) (W&C Act 1981)						
Fringed Water-lily	Nymphaeoides peltata			19-Aug-96	SP35910805	Emma's Dyke								Scarce (VP)	
Kingfisher	Alcedo atthis			19-Aug-96	SP35380890	Emma's Dyke			Schedule 1 (W&C Act 1981)				Amber List		
Badger	Meles meles			24-Jan-04	SP350087	Oxon tetrad 3408	A40, OXON TETRAD 3408		Badger Act 1992						
Badger	Meles meles			20-Apr-06	SP350087	OXON TETRAD 3408	A40, OXON TETRAD 3408	dead on road	Badger Act 1992						
Barn Owl	Tyto alba		adult	26-Feb-04	SP352082	Oxon tetrad 3408	Ducklington by pass, OXON TETRAD 3408		Schedule 1 (W&C Act 1981)				Amber List		
Brown Hare	Lepus capensis			20-Sep-05	SP351084	Oxon tetrad 3408					Priority Sp.				
Swallow	Hirundo rustica			06-Jun-84	SP359099	River Windrush	R.Windrush E tetrad 3408						Amber List		
Starling	Sturnus vulgaris			06-Jun-84	SP359099	River Windrush	R.Windrush E tetrad 3408						Red List		
House Sparrow	Passer domesticus			06-Jun-84	SP359099	River Windrush	R.Windrush E tetrad 3408						Red List		
Mute Swan	Cygnus olor			04-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608						Amber List		
Skylark	Alauda arvensis			04-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608				Priority Sp.		Red List		
Sand Martin	Riparia riparia			04-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608						Amber List		
Swallow	Hirundo rustica			04-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608						Amber List		
House Martin	Delichon urbica			04-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608						Amber List		
Yellow Wagtail	Motacilla flava			04-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608						Amber List		
Song Thrush	Turdus philomelos			04-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608				Priority Sp.		Red List		
Spotted Flycatcher	Muscicapa striata			04-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608				Priority Sp.		Red List		
Starling	Sturnus vulgaris			04-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608						Red List		
House Sparrow	Passer domesticus			04-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608						Red List		
Reed Bunting	Emberiza schoeniclus			04-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608				Priority Sp.		Red List		
Black-headed Cardinal Beetle	Pyrochroa coccinea			07-Jun-84	SP362090	River Windrush	R.Windrush E tetrad 3608					Nb			
Mute Swan	Cygnus olor			04-Jun-84	SP358079	River Windrush	R.Windrush W tetrad3406						Amber List		
Skylark	Alauda arvensis			04-Jun-84	SP358079	River Windrush	R.Windrush W tetrad3406				Priority Sp.		Red List		
Swallow	Hirundo rustica			04-Jun-84	SP358079	River Windrush	R.Windrush W tetrad3406						Amber List		
House Martin	Delichon urbica			04-Jun-84	SP358079	River Windrush	R.Windrush W tetrad3406						Amber List		
Starling	Sturnus vulgaris			04-Jun-84	SP358079	River Windrush	R.Windrush W tetrad3406						Red List		
Water Vole	Arvicola terrestris			04-Jun-84	SP358079	River Windrush	R.Windrush W tetrad3406		Schedule 5, parts 4(a) and (b) (W&C Act 1981)		Priority Sp.				
Freshwater Crayfish	Austropotamobius pallipes	2		26-Sep-98	SP358102	River Windrush	Witney Bridge, R.Windrush tetrad 3410	IUCN (1994) - Vulnerable	Schedule 5, parts 1, 5(a) and (b) (W&C Act 1981)		Priority Sp.				
Freshwater Crayfish	Austropotamobius pallipes	1		20-Oct-98	SP358102	River Windrush	Witney Bridge, R.Windrush tetrad 3410	IUCN (1994) - Vulnerable	Schedule 5, parts 1, 5(a) and (b) (W&C Act 1981)		Priority Sp.				
Mute Swan	Cygnus olor			03-Sep-96	SP36610790	River Windrush							Amber List		
Mute Swan	Cygnus olor			20-Sep-96	SP36060973	River Windrush							Amber List		
Mute Swan	Cygnus olor			20-Sep-96	SP36130873	River Windrush							Amber List		
Kingfisher	Alcedo atthis			20-Sep-96	SP36060973	River Windrush			Schedule 1 (W&C Act 1981)				Amber List		
Kingfisher	Alcedo atthis			20-Sep-96	SP36090932	River Windrush			Schedule 1 (W&C Act 1981)				Amber List		
Song Thrush	Turdus philomelos			20-Sep-96	SP36130873	River Windrush					Priority Sp.		Red List		
Sainfoin	Onobrychis vicifolia			19-Aug-96	SP35900833	River Windrush (West Branch)									NT
Kingfisher	Alcedo atthis			19-Sep-96	SP35920965	River Windrush (West Branch)			Schedule 1 (W&C Act 1981)				Amber List		
Kingfisher	Alcedo atthis			19-Sep-96	SP35930863	River Windrush (West Branch)			Schedule 1 (W&C Act 1981)				Amber List		
Hoary Cinquefoil	Potentilla argentea			01-Jul-86	SP358083	The Moors Gravel Pit									NT
Sainfoin	Onobrychis vicifolia			01-Jul-86	SP358083	The Moors Gravel Pit									NT

Legally Protected & Notable/Rare Species Records

Cogges 1km Search Area

Common Name	Scientific Name	Abundance	Sex/stage	Date	Grid ref.	Site	Sub-site/Locality	IUCN Red List Status	UK Legislation	European Legislation	UK BAP Status	Notable Invertebrates	BOCC Status	Nat. Rare/Scarce Plants	UK Red List (Vascular Plants)
Fringed Water-lily	Nymphoides peltata			01-Jul-86	SP358083	The Moors Gravel Pit								Scarce (VP)	
Mute Swan	Cygnus olor	4		06-Feb-91	SP358083	The Moors Gravel Pit							Amber List		
Pochard	Aythya ferina	6		06-Feb-91	SP358083	The Moors Gravel Pit							Amber List		
Kestrel	Falco tinnunculus			06-Feb-91	SP358083	The Moors Gravel Pit							Amber List		
Black-headed Gull	Larus ridibundus			06-Feb-91	SP358083	The Moors Gravel Pit							Amber List		
Lesser Black-backed Gull	Larus fuscus			06-Feb-91	SP358083	The Moors Gravel Pit							Amber List		
Fieldfare	Turdus pilaris			06-Feb-91	SP358083	The Moors Gravel Pit			Schedule 1 (W&C Act 1981)				Amber List		
Song Thrush	Turdus philomelos			06-Feb-91	SP358083	The Moors Gravel Pit					Priority Sp.		Red List		
Redwing	Turdus iliacus			06-Feb-91	SP358083	The Moors Gravel Pit			Schedule 1 (W&C Act 1981)				Amber List		
Mistle Thrush	Turdus viscivorus			06-Feb-91	SP358083	The Moors Gravel Pit							Amber List		
Goldcrest	Regulus regulus			06-Feb-91	SP358083	The Moors Gravel Pit							Amber List		
Starling	Sturnus vulgaris			06-Feb-91	SP358083	The Moors Gravel Pit							Red List		
Bullfinch	Pyrrhula pyrrhula			06-Feb-91	SP358083	The Moors Gravel Pit					Priority Sp.		Red List		
Kestrel	Falco tinnunculus			Pre 1982	SP360091	Windrush Birds, North	Windrush Birds, North						Amber List		
Water Rail	Rallus aquaticus			Pre 1982	SP360091	Windrush Birds, North	Windrush Birds, North						Amber List		
Snipe	Gallinago gallinago			Pre 1982	SP360091	Windrush Birds, North	Windrush Birds, North						Amber List		
Redshank	Tringa totanus			Pre 1982	SP360091	Windrush Birds, North	Windrush Birds, North						Amber List		
Cuckoo	Cuculus canorus			Pre 1982	SP360091	Windrush Birds, North	Windrush Birds, North						Amber List		
Kingfisher	Alcedo atthis			Pre 1982	SP360091	Windrush Birds, North	Windrush Birds, North		Schedule 1 (W&C Act 1981)				Amber List		
Yellow Wagtail	Motacilla flava			Pre 1982	SP360091	Windrush Birds, North	Windrush Birds, North						Amber List		
Grey Wagtail	Motacilla cinerea			Pre 1982	SP360091	Windrush Birds, North	Windrush Birds, North						Amber List		
Willow Warbler	Phylloscopus trochilus			Pre 1982	SP360091	Windrush Birds, North	Windrush Birds, North						Amber List		
Goldcrest	Regulus regulus			Pre 1982	SP360091	Windrush Birds, North	Windrush Birds, North						Amber List		
Reed Bunting	Emberiza schoeniclus			Pre 1982	SP360091	Windrush Birds, North	Windrush Birds, North				Priority Sp.		Red List		
Water Vole	Arvicola terrestris			Pre 1982	SP360091	Windrush Birds, North			Schedule 5, parts 4(a) and (b) (W&C Act 1981)		Priority Sp.				
Badger	Meles meles			06-May-00	SP377097	Witney By Pass			Badger Act 1992						
Badger	Meles meles			07-Feb-02	SP372092	Witney By Pass			Badger Act 1992						
Barn Owl	Tyto alba	1	adult	15-Jun-99	SP360085	Witney Swamp			Schedule 1 (W&C Act 1981)				Amber List		
Water Rail	Rallus aquaticus			Pre 1982	SP360085	Witney Swamp							Amber List		
Curlew	Numenius arquata			Pre 1982	SP360085	Witney Swamp							Amber List		
Redshank	Tringa totanus			Pre 1982	SP360085	Witney Swamp							Amber List		
Kingfisher	Alcedo atthis			Pre 1982	SP360085	Witney Swamp			Schedule 1 (W&C Act 1981)				Amber List		
Yellow Wagtail	Motacilla flava			Pre 1982	SP360085	Witney Swamp							Amber List		
Grey Wagtail	Motacilla cinerea			Pre 1982	SP360085	Witney Swamp							Amber List		
Stonechat	Saxicola torquata			Pre 1982	SP360085	Witney Swamp							Amber List		
Reed Bunting	Emberiza schoeniclus			Pre 1982	SP360085	Witney Swamp					Priority Sp.		Red List		
Water Vole	Arvicola terrestris			Pre 1982	SP360085	Witney Swamp			Schedule 5, parts 4(a) and (b) (W&C Act 1981)		Priority Sp.				

Oxfordshire Wildlife Sites Project Citation

SITE NAME: Witney Marsh (Grimes Meadow)

SITE CODE: 30U01

AREA (ha): 5.7 ha

GRID REF: SP360099

DISTRICT: West Oxfordshire

EN NATURAL AREA: Thames & Avon Vales

LAST SURVEY: 2001

SITE DESCRIPTION:

This field beside the River Windrush in Witney is an area of unimproved marshy grassland with sedge-dominated swamp communities. The rare slender spike-rush (*Eleocharis uniglumis*), which is known from only 8 tetrads in Oxfordshire, is found in marshy areas of the field, together with the uncommon marsh arrowgrass (*Triglochin palustre*) and round-fruited rush (*Juncus compressus*). Glaucous sedge and brown sedge are abundant, and greater and lesser pond sedge dominate parts of the field.

Southern marsh orchid was found here in 1978 but was not seen in 2001. There is a good diversity of typical wetland plants including ragged robin, fen bedstraw, marsh bedstraw, greater bird's-foot trefoil, meadowsweet, water figwort, common fleabane, and marsh marigold.

Lowland meadows and sedge swamps are rare habitats in Britain and a priority for conservation in the UK Biodiversity Action Plan. Witney Marsh is one of only two grazed marshes along the Windrush in Oxfordshire, and one of only four extensive grazed marshes in the county. The habitat and botanical interest puts the site within the top six sites within the Windrush Valley.

UK PRIORITY BAP HABITATS: **Lowland meadow, Fen (sedge swamp)**

UK PRIORITY BAP SPECIES: none recorded

RED DATA BOOK SPECIES: none recorded

NATIONALLY SCARCE SPECIES: none recorded

BIRDS OF CONSERVATION CONCERN:

Red list:

Amber list: **Kingfisher**

TYPICAL NEUTRAL GRASSLAND/WETLAND SPECIES:

Meadow foxtail, sweet vernal grass, crested dog's-tail, meadow fescue, reed canary-grass, floating sweet-grass, lesser pond sedge, brown sedge, glaucous sedge, common sedge, false fox sedge, greater pond sedge, slender spike-rush, common spike-rush, jointed rush, round-fruited rush, soft rush, hard rush, wild angelica, marsh marigold, great willowherb, hoary willowherb, marsh horsetail, meadowsweet, marsh bedstraw, fen bedstraw, lady's bedstraw, yellow flag iris, meadow vetchling, autumnal hawkbit, common bird's-foot trefoil, greater bird's-foot trefoil, ragged robin, creeping jenny, water mint, water forget-me-not, red bartsia, amphibious bistort, redshank, silverweed, common fleabane, water figwort, hoary ragwort, common comfrey, marsh arrowgrass, brooklime.

Status Key

Legislation W & C Act 1981 - Wildlife and Countryside Act 1981

- Schedule 5 Animals
- Schedule 8 Plants
- Schedule 1 Breeding Birds (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)

European Legislation

- These species are protected under Schedule 2 and Schedule 4 of the Conservation (Natural Habitats & c.) Regulations 1994.

IUCN Red List Categories

- IUCN (1994) – Extinct (EX) A taxon is Extinct when there is no reasonable doubt that the last individual has died.
- IUCN (1994) – Extinct in the Wild (EW) A taxon is Extinct in the Wild when it is known to survive only in cultivation, in captivity or as a naturalised population (or populations) well outside the past range.
- IUCN (1994) – Critically Endangered (CR) A taxon is Critically Endangered when it is facing an extremely high risk of extinction in the wild in the immediate future.
- IUCN (1994) – Endangered: A taxon is Endangered when it is not Critically Endangered but is facing a very high risk of extinction in the wild in the near future.
- IUCN (1994) – Vulnerable: A taxon is Vulnerable when it is not Critically Endangered or Endangered but is facing a high risk of extinction in the wild in the medium-term future
- IUCN (1994) – Lower risk: A taxon is Lower Risk when it has been evaluated, but does not satisfy the criteria for any of the categories Critically Endangered, Endangered or Vulnerable.

Old Red Data Book categories included if up to date information is incomplete.

- IUCN (pre 1994) – Endangered (RDB1) - Taxa in danger of extinction and whose survival is unlikely if the causal factors continue operating.
- IUCN (pre 1994) – Vulnerable (RDB2) - Taxa believed likely to move into the 'Endangered' category in the near future if the causal factors continue operating
- IUCN (pre 1994) – Rare (RDB3) Species estimated to exist in only <15 10km sq.

United Kingdom Biodiversity Action Plan (UKBAP) Priority Species:

They are species which are (a) globally threatened and (b) rapidly declining in the UK (i.e. by an estimated >50% in the last 25 years)

BOCC Lists - Birds of Conservation Concern Lists

These lists were drawn up by the RSPB

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

Amber List - 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.

Notable Invertebrates

Na - Nationally Scarce (Notable) A: Taxa which don't fall within IUCN categories but are uncommon in Britain and occur in <30 10 km sq/ or for less well recorded groups within <7 vice counties

Nb - Nationally Scarce (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

well recorded groups between 8 and 20 vice counties

N – Notable: Taxa which are known to be scarce(occurring in between 16 and 100 10km squares). Often there is insufficient information to assign them to Na or Nb categories.

Designation comes from the NBN species dictionary.

National Plant Lists

UK Red List (Vascular Plants): This list was compiled by JNCC in 2005. It assesses the threat to species using IUCN (International Union for the Conservation of Nature) definitions. Broadly three criteria are used – the decline which a species has suffered over the last ten years, the combination of rarity and decline, and the absolute rarity of the species. If a species meets any of these criteria at a particular level it is considered to have that degree of threat. To be designated at the most threatened level, Critical, a species has to have either a decline of more than 90%, or a combination of a single locality with continued decline, or an absolute rarity of fewer than 50 individuals. To reach the next level, Endangered, a species has to have more than 70% decline, or a combination of fewer than 5 locations and continued decline, or fewer than 250 individuals. To reach Vulnerable a species has to have had more than 50% decline, or fewer than 10 locations and continued decline, or fewer than 1000 individuals. Near Threatened species are those with more than 20% decline, or fewer than 30 localities and continuing decline or fewer than 10,000 individuals.

Nat. Rare/Scarce Plants: This list applies to both lower and higher plants. The abbreviations used in the species lists are: Lic = Lichen, Liv = Liverwort, Mo = Moss, St = Stonewort and VP = Vascular Plant. The definition of nationally scarce and rare is as follows:

Rare = occurring in 15 or fewer hectads (10 km squares) in the UK

Scarce = occurring in 16 – 100 hectads in the UK

The vascular plant list was last updated in 2004

Appendix II: Survey Plan

Appendix III: Results (2006 Survey)

Habitat Parcel	Bird species	Total number
1	Blackbird (B.)	3
	Chaffinch	2
	Dunnock	1
	Goldfinch	2
	Great Tit	3
	Greenfinch	1
	Kestrel	1
	Mallard	2
	Moorhen	1 (dead next to path)
	Robin	1
	Song Thrush	1
	Woodpigeon	1
	Total =	19
	2	Blackbird
Greenfinch		1
Robin		1
Total =		4
3	Bluetit	1
	Gold finch	1
	Mallard	2
	Total =	4
4	Great tit	1
	Magpie	1
	Total =	2
5	Total =	0
6	Blackbird	1
	Total =	1
7	Bluetit	1
	Total =	1
8	Blackbird	2
	Blue Tit	4
	Bullfinch	1
	Chaffinch	2
	Dunnock	1

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Habitat Parcel	Bird species	Total number
	Goldcrest	1
	Goldfinch	2
	Great Tit	4
	Greenfinch	4
	Magpie	1
	Robin	1
	Rook	2
	Woodpigeon	1
	Wren	2
	Total =	28
9	Blue Tit	4
	Chaffinch	1
	Goldfinch	5
	Great Tit	4
	Greenfinch	1
	Jackdaw	1
	Linnet?	<30
	Long-tailed tit	1
	Magpie	1
	Robin	3
	Woodpigeon	10
	Wren	2
	Total =	63
10	Blackbird	7
	Carrion Crow	2
	Chaffinch	3
	Collared Dove	2
	Goldcrest	1
	Great Tit	4
	Greenfinch	3
	Long-tailed tit	2
	Moorhen	2
	Robin	2
	Song Thrush	2
	Woodpigeon	3
	Wren	1

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Habitat Parcel	Bird species	Total number
	Total =	34
11	Blackbird	3
	Blue Tit	6
	Carrion Crow	2
	Goldcrest	1
	Green Woodpecker	1
	Long-tailed tit	2
	Wren	1
	Total =	16
12	Blue Tit	3
	Great tit	1
	Total =	4
13	Mute Swan	2
	Total =	2
14	Greenfinch	1
	Total =	1
15	Blackbird	2
	Blue Tit	3
	Chaffinch	1
	Goldfinch	6
	Great Tit	3
	Greenfinch	3
	Long-tailed tit	4
	Robin	1
	Woodpigeon	1
	Wren	2
	Total =	26
16	Blackbird	1
	Blue Tit	4
	Great Tit	2
	Linnet	<30
	Robin	1
	Total =	38
17	Blackbird	1
	Blue Tit	4
	Bullfinch	1
	House Sparrow	1

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Habitat Parcel	Bird species	Total number
	Robin	1
	Total =	8
18	Blackbird	2
	Blue Tit	3
	Chaffinch	1
	Goldfinch	6
	Great Tit	3
	Greenfinch	3
	Long-tailed tit	4
	Robin	1
	Woodpigeon	1
	Wren	2
	Total =	26
19	Blackbird	1
	Blue Tit	3
	Great Tit	3
	Woodpigeon	12
	Total =	19
20	Blackbird	2
	Blue Tit	2
	Carrion Crow	40
	Chaffinch	1
	Common Gull	30
	Goldfinch	6
	Great Tit	4
	Greenfinch	3
	Grey Partridge	1
	Jackdaw	6
	Kestrel	1
	Robin	3
	Skylark	1
	Woodpigeon	12
	Total =	112
21	Great Tit	1
	Wood Pigeon	35
	Total =	36

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Habitat Parcel	Bird species	Total number
22	Blackbird	7
	Blue Tit	7
	Great Tit	4
	Greenfinch	2
	Robin	2
	Total =	22
23	Blackbird	2
	Blue Tit	18
	Goldfinch	1
	Great Tit	6
	Greenfinch	7
	House Sparrows	>20
	Robin	1
	Total =	55
25	Blackbird	4
	Blue Tit	4
	Chaffinch	15
	Great Tit	7
	Greenfinch	2
	Sparrowhawk	1
	Robin	2
	Woodpigeon	1
	Total =	36

Appendix IV: Bird Species list with Conservation Status

English Name	Scientific Name	Protection Status
Barn owl	<i>Tyto alba</i>	Amber list, Schedule 1 (W&C Act)
Blackbird	<i>Turdus merula</i>	
Blackheaded gull	<i>Larus ridibundus</i>	Amber
Blue Tit	<i>Parus caeruleus</i>	
Bullfinch	<i>Pyrrhula pyrrhula</i>	Red list, UK BAP Species
Chaffinch	<i>Fringella coelebs</i>	
Collard Dove	<i>Streptopelia decaocto</i>	
Cuckoo	<i>Cuculus canorus</i>	Amber list, UK BAP Species
Curlew	<i>Burhinus oedicephalus</i> (stone curlew)	Stone curlew? Red list, Schedule 1 (W&C Act) UK BAP Species
Dunnock	<i>Prunella modularis</i>	Amber list,
Fieldfare	<i>Turdus pilaris</i>	Amber list, Schedule 1 (W&C Act)
Goldcrest	<i>Regulus regulus</i>	Amber list
Goldfinch	<i>Carduelis carduelis</i>	
Great Tit	<i>Parus major</i>	
Greenfinch	<i>Carduelis chloris</i>	
Green Woodpecker	<i>Picus viridis</i>	Amber list,
Grey Partridge	<i>Perdix perdix</i>	Red list, UK BAP Species
Grey wagtail	<i>Motacilla cinerea</i>	Amber list
House Martin	<i>Delichon urbica</i>	Amber list
House Sparrow	<i>Passer domesticus</i>	Red list, UK BAP Species
Jackdaw	<i>Corvus monedula</i>	
Kestrel	<i>Falco tinnunculus</i>	Amber list
Kingfisher	<i>Alcedo atthis</i>	Amber list, Schedule 1 (W&C Act)
Lapwing	<i>Vanellus vanellus</i>	Amber list, UK BAP Species
Lesser black backed gull	<i>Larus fuscus</i>	Amber list
Lesser spotted woodpecker	<i>Dendrocopos minor</i>	Red list, UK BAP Species
Linnet	<i>Carduelis cannabina</i>	Red list, UK BAP Species
Long-tailed tit	<i>Aegithalos caudatus</i>	
Magpie	<i>Pica pica</i>	
Mallard	<i>Anas platyrhynchos</i>	
Marsh tit	<i>Parus palustris</i>	Red list; UK BAP Species
Meadow pipit	<i>Anthus pratensis</i>	Amber list
Mistle thrush	<i>Turdus viscivorus</i>	Amber list
Moorhen	<i>Gallinula chloropus</i>	
Mute Swan	<i>Cygnus olor</i>	Amber list
Pochard	<i>Aythya ferina</i>	Amber list
Redshank	<i>Tringa totanus</i>	Amber list
Redwing	<i>Turdus iliacus</i>	Amber list Schedule 1 (W&C Act)
Reed bunting	<i>Emberiza schoeniclus</i>	Red list, UK BAP Species
Robin	<i>Erithacus rubecula</i>	
Rook	<i>Corvus frugilegus</i>	
Sand martin	<i>Riparia riparia</i>	Amber list
Skylark	<i>Alauda arvensis</i>	Red list, UK BAP Species
Snipe	<i>Gallinago gallinago</i>	Amber list
Song Thrush	<i>Turdus philomelos</i>	Red list, UK BAP Species
Spotted flycatcher	<i>Muscicapa striata</i>	Red list, UK BAP Species
Sparrowhawk	<i>Accipiter nisus</i>	
Starling	<i>Sturnus vulgaris</i>	Red list, UK BAP Species
Stock dove	<i>Columba oenas</i>	Amber list

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Stonechat	<i>Saxicola torquata</i>	Amber list
Swallow	<i>Hirundo rustica</i>	Amber list
Turtle dove	<i>Streptopelia turtur</i>	Red list, UK BAP Species
Water rail	<i>Rallus aquaticus</i>	Amber list
Willow warbler	<i>Phylloscopus trochilus</i>	Amber list
Woodpigeon	<i>Columba palumbus</i>	
Wren	<i>Troglodytes troglodytes</i>	
Yellow wagtail	<i>Motacilla flava</i>	Amber list, UK BAP Species
Yellowhammer	<i>Emberiza citrinella</i>	Red list, UK BAP Species

Appendix V: Results (2002-2003 Survey)

Habitat Parcel	Species	November 15 degrees C	November 26th 12.5 degrees C	December 20th 4 degrees C	January 30th 3 degrees C	February 25th 12 degrees C
1	Goldfinch (GO)	1	5	2	4	
	Starling (SG)	25				
	Woodpigeon (WP)	2			3	
	Wren (WR)	2		3		
	Magpie (MG)	2				
	Robin (R.)		1	2	1	
	Blackbird (B.)		1			
	Long-tailed Tit (LT)		2			
	Great Tit (GT)		1			
	Blue Tit (BT)		1	2		
	Moorhen (MH)			1		
	Collared Dove (CD)			1		
	Kestrel (K.)			1		
	Song Thrush (ST)					1
	2	Magpie (MG)	2			
Robin (R.)		2		1	3	
Blackbird (B.)			5	2	4	
Starling (SG)			1			
Blue Tit (BT)			1	4	1	1
Dunnock (D.)				2	1	
Song Thrush (ST)				1		
Wren (WR)					1	
Chaffinch (CH)					1	
3	Wren (WR)	1				4

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Habitat Parcel	Species	November 15 degrees C	November26th 12.5 degrees C	December 20th 4 degrees C	January 30th 3 degrees C	February 25th 12 degrees C
	Blackbird (B.)		1	1		2
	Greenfinch (GR)			7		5
	Blue Tit (BT)				1	4
	Woodpigeon (WP)				1	
	Chaffinch (CH)					2
	Starling (SG)					2
	Mallard (MA)					1
	Robin (R.)					1
4	Carrion Crow (C.)	1				
	Blackbird (B.)		1	2	2	
	Robin (R.)		1	1		
	Woodpigeon (WP)			1	3	
	Great Tit (GT)			3		
	Blue Tit (BT)			2		
	Wren (WR)			3		
	Dunnock (D.)			1		
	Chaffinch (CH)					5
	Greenfinch (GR)					9
5	Woodpigeon (WP)	3	1	2		
	Greenfinch (GR)		8	2	3	
	Great Tit (GT)		2		1	1
	Blackbird (B.)			2	1	1
	Blue Tit (BT)			1	2	3
	Wren (WR)			1		
	Starling (SG)			2		
	Robin (R.)			1	3	2
	Black-headed Gull (BH)					
	Chaffinch (CH)					1
	Rook (RO)					1

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Habitat Parcel	Species	November 15 degrees C	November26th 12.5 degrees C	December 20th 4 degrees C	January 30th 3 degrees C	February 25th 12 degrees C
6	Carrion Crow (C.)		1			1
	Long tailed Tit (LT)			5		
	Starling (SG)			1		
	Woodpigeon (WP)				1	1
	Blackbird (B.)				1	
	Greenfinch (GR)					1
	Blue Tit (BT)					1
7	Greenfinch (GR)	2				
	Robin (R.)	2	1			
	Starling (SG)	7				
	Blackbird (B.)		1	1		
	Blue Tit (BT)					2
	Mallard (MA)					1
	Chaffinch (CH)					1
8	Blackbird (B.)	7	8	1	3	5
	Dunnock (D.)	2	1	2		
	Wren (WR)	2	1	2		
	Blue Tit (BT)	8	3	3	2	
	Goldfinch (GO)	2	1			
	G S Woodpecker (GS)	1				
	Magpie (MG)	1				
	Moorhen (MH)	1				
	Treecreeper (TC)	1				
	Chiffchaff (CC)	1				
	Chaffinch (CH)	1				
	Woodpigeon (WP)	15	1	4	1	5
	Bullfinch (BF)	1			1	
	Goldcrest (GC)	1				

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Habitat Parcel	Species	November 15 degrees C	November26th 12.5 degrees C	December 20th 4 degrees C	January 30th 3 degrees C	February 25th 12 degrees C
	Long-tailed Tit (LT)	6				2
	Robin (R.)		5		1	
	Siskin (SK)		10			
	Great Tit (GT)		1		3	
	Reed Bunting (RB)		1			
	Redwing (RE)				1	
	Greenfinch (GR)					3
9	Robin (R.)	1	1			
	Wren (WR)	1	3	3		4
	Blackbird (B.)	1	3	3	2	
	Magpie (MG)		1	1	1	
	Blue Tit (BT)		12	2		3
	Great Tit (GT)		3	2		
	Reed Bunting (RB)		2			
	Dunnock (D.)		1			
	Goldfinch (GO)		1			
	Black-headed Gull (BH)			1		
	Woodpigeon (WP)			4		
	Long-tailed Tit (LT)			2		1
10	Blackbird (B.)	2	1	4	1	
	Rook (RO)	10	8	14		2
	Woodpigeon (WP)	3				1
	Wren (WR)	2	1	4		
	Goldfinch (GO)	2				
	Mallard (MA)	5		2		
	B-headed Gull (BH)	1		1	1	
	Long-tailed Tit (LT)	4	10	1		
	Blue Tit (BT)		1	4		5
	Magpie (MG)		2	3		

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Habitat Parcel	Species	November 15 degrees C	November26th 12.5 degrees C	December 20th 4 degrees C	January 30th 3 degrees C	February 25th 12 degrees C
	Green Woodpecker (G.)			1		
	Great Tit (GT)			2	2	
	Robin (R.)			2	1	
	Song Thrush (ST)			3		1
	Bullfinch (BF)			1		
	G S Woodpecker (GS)			1		
	Carrion Crow (C.)				3	2
	Goldcrest (GC)				1	
	Redwing (RW)				1	
	Chaffinch (CH)					1
	Kestrel (K.)					1
11	Carrion Crow (C.)	3				
	Blackbird (B.)	2	6	8	1	1
	B-headed Gull (BH)	4		1		
	Chaffinch (CH)	1		2		2
	Great Tit (GT)	2	4	5	3	
	Robin (R.)	1	1	1		2
	Blue Tit (BT)	2	5	13	4	1
	Magpie (MP)	1	2		1	1
	Woodpigeon (WP)	1				1
	Fieldfare (FF)		1	4		
	Rook (RO)		2	2		
	Mistle Thrush (M.)		1			
	Kestrel (K.)		1			
	Pheasant (PH)		1			
	Treecreeper (TC)		1			
	Wren (WR)			3	1	
	Goldcrest (GC)			1	1	
	Song Thrush (ST)			3		
	Yellowhammer (Y.)			1		

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Habitat Parcel	Species	November 15 degrees C	November 26th 12.5 degrees C	December 20th 4 degrees C	January 30th 3 degrees C	February 25th 12 degrees C
	Bullfinch (BF)				6	
	Long-tailed Tit (LT)					2
	Goldfinch (GO)					2
12	Blackbird (B.)	1		6	3	2
	Robin (R.)	1	2	1		3
	Wren (WR)	1		3		
	Redpoll (FR)	4				
	Blue Tit (BT)		1	4	3	1
	Woodpigeon (WP)		9	4	5	9
	Great Tit (GT)		1	1	1	1
	Song Thrush (ST)			1		
	Chaffinch (CH)			2		4
	Dunnock (D.)			1		1
	Goldcrest (GC)					2
13	Mute Swan (MS)	1		1		
	Mallard (MA)	2		2		6
	Moorhen (MH)	1			1	1
14	Woodpigeon (WP)	2				
	Blackbird (B.)	2				
	Blue Tit (BT)	1		1		
	Greenfinch (GR)	1				
	Starling (SG)		12			
	Great Tit (GT)			4		
	House Sparrow (HS)					1
	Mallard (MA)					2
15	Blackbird (B.)	11	7	3	3	1
	House Sparrow (HS)	5				

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Habitat Parcel	Species	November 15 degrees C	November26th 12.5 degrees C	December 20th 4 degrees C	January 30th 3 degrees C	February 25th 12 degrees C
	Wren (WR)	2	1	1	1	
	Blue Tit (BT)	8	2	1		1
	Goldcrest (GC)	1				
	Dunnock (D.)	1				
	Robin (R.)	4		3		2
	Great Tit (GT)	2	1	1		
	Goldfinch (GO)	1				3
	Magpie (MG)	1		1	2	
	Greenfinch (GR)	6	1			
	Mistle Thrush (M.)		1			
	Woodpigeon (WP)			1	4	
	Meadow Pipit (MP)			3		
	Kestrel (K.)				1	
	Bullfinch (BF)				1	
	Chaffinch (CH)					3
	Black-headed Gull (BH)					1
16	Chaffinch (CH)	8	1	4	1	1
	Blue Tit (BT)	8	3	6	6	3
	Blackbird (B.)	5	14	9	4	5
	Great Tit (GT)	2	2	2	2	7
	B-headed Gull (BH)	3				
	Robin (R.)	2	5	4	1	5
	Starling (SG)	24	3			
	Goldcrest (GC)	1				
	Magpie (MG)		1			
	Bullfinch (BF)		6	2	6	1
	Greenfinch (GR)		1			1
	Redwing (RE)		2		2	
	House Sparrow (HS)		2			3
	Woodpigeon (WP)		2	7	5	

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Habitat Parcel	Species	November 15 degrees C	November 26th 12.5 degrees C	December 20th 4 degrees C	January 30th 3 degrees C	February 25th 12 degrees C
	Blackcap (BC)		1			
	Dunnock (D.)		2	3		
	Long-tailed Tit (LT)			4		2
	Rook (RO)			2	2	
	Lapwing (L.)			2		
	Pied Wagtail (PW)				1	
	Fieldfare (FF)				6	
	Song Thrush (ST)				1	
	Goldfinch (GO)				2	
	Wren (WR)					2
17	Woodpigeon (WP)	3	2	12	3	
	Blackbird (B.)	4	1	16	4	1
	Blue Tit (BT)	4		6	1	
	Robin (R.)	2	1	5		
	Great Tit (GT)	1				2
	House Sparrow (HS)	5	9	13	13	4
	Siskin (SK)	7				
	Magpie (MG)		1			
	Goldfinch (GO)		4		5	
	Dunnock (D.)		2			
	Chaffinch (CH)			10		1
	Bullfinch (BF)			1	2	
	Collared Dove (CD)			1		2
	Starling (SG)			5	6	1
	Greenfinch (GR)				2	
18	Blackbird (B.)		2			
	Blue Tit (BT)		1		1	4
	Great Tit (GT)					3
	Rook (RO)					5

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Habitat Parcel	Species	November 15 degrees C	November26th 12.5 degrees C	December 20th 4 degrees C	January 30th 3 degrees C	February 25th 12 degrees C
	Bullfinch (BF)					2
19	Goldfinch (GO)	9	10			
	Robin (R.)		2	1		1
	Blackbird (B.)		1	4	2	
	Blue Tit (BT)		2	12		
	Magpie (MG)		2			
	Rook (RO)		4			
	Woodpigeon (WP)		>50			
	Siskin (SK)		6			
	Wren (WR)		1	1		
	Redwing (RE)			28		
	Great Tit (GT)			5		
	Long-tailed Tit (LT)					2
	Chaffinch (CH)					1
20	Woodpigeon (WP)	30	50	27	15	
	Redwing (RE)			6		
	Robin (R.)			1		
	Blackbird (BB)			2		1
	Kestrel (K.)				1	
21	Woodpigeon (WP)	9	5	6	3	
	Robin (R.)	2	1		1	
	Rook (RO)		1			
	Blackbird (B.)		4	5	1	2
	Blue Tit (BT)		1	3		2
	Fieldfare (FF)			1		
	Great Tit (GT)			3		
	Chaffinch (CH)			3		
	Redwing (RE)			12		

Oxfordshire Highways
Cogges Link Road
Wintering Bird Survey

Habitat Parcel	Species	November 15 degrees C	November26th 12.5 degrees C	December 20th 4 degrees C	January 30th 3 degrees C	February 25th 12 degrees C
22	Woodpigeon (WP)	1	18		23	70
	Robin (R.)	1	1		1	1
	Blue Tit (BT)	1	2	3	3	
	Fieldfare (FF)		1			
	Carrion Crow (C.)		2			
	Blackbird (B.)		3		1	2
	House Sparrow (HS)		1			
	Redwing (RE)		2			
	Dunnock (D.)		1			
	Great Tit (GT)				1	
	Chaffinch (CH)				2	12
	Herring Gull (HG)				3	
	Yellowhammer (Y.)					4
	23	Woodpigeon (WP)	4	2	2	6
Starling (SG)		20	30			
Blackbird (B.)		8	8	3	1	1
Blue Tit (BT)		1		6	3	1
Great Tit (GT)		1	2	14		3
G S Woodpecker (GS)		1				
Chaffinch (CH)		1			2	
Black-headed Gull (BH)		15				
Wren (WR)		3				
Yellowhammer (Y.)		5				
Robin (R.)			1	1		1
House Sparrow (HS)			2	26	32	
Kestrel (K.)			1	1		
Fieldfare (FF)			1			
Magpie (MG)			1			
Greenfinch (GR)					2	4

Oxfordshire Highways
Cogges Link Road
Wintering Bird Survey

Habitat Parcel	Species	November 15 degrees C	November26th 12.5 degrees C	December 20th 4 degrees C	January 30th 3 degrees C	February 25th 12 degrees C
	Collared Dove (CD)				2	
	Redwing (RE)				2	
	Dunnock (D.)				1	1
	Carrion Crow (C.)				4	
25	Blackbird (B.)	25	15	11	3	4
	Carrion Crow (C.)	4				
	Blue Tit (BT)	10	6	2	8	2
	Great Tit (GT)	3	1	3	1	3
	Greenfinch (GR)	6		15	3	5
	Woodpigeon (WP)	3				
	Chaffinch (CH)	2		1		1
	Yellowhammer (Y.)	>30				
	Goldfinch (GO)		20		3	
	Rook (RO)		3			
	Robin (R.)		4	4	1	
	House Sparrow (HS)		6		2	5
	Magpie (MG)			2		
	Sparrowhawk (SH)			1		
	Dunnock (D.)			1		
	Kestrel (K.)				1	
	Jackdaw (JD)				1	
	Starling (SG)				1	
	Redwing (RE)				3	