

M25 junction 10/A3 Wisley interchange TR010030 6.5 Environmental Statement: Appendix 7.4 Desk study

Regulation 5(2)(a) Planning Act 2008

June 2019





Infrastructure Planning

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended)

M25 junction 10/A3 Wisley interchange

The M25 junction 10/A3 Wisley interchange Development Consent Order 202[x]

6.5 ENVIRONMENTAL STATEMENT: APPENDIX 7.4 DESK STUDY

Regulation Number:	Regulation 5(2)(a)
Planning Inspectorate Scheme	TR010030
Reference	
Application Document Reference	TR010030/APP/6.5
Author:	M25 junction 10/A3 Wisley interchange project team, Highways England

Version	Date	Status of Version
Rev 0	June 2019	Development Consent Order application



Table of contents

App	pendix Pag	es
7.1 7.1.1	Surrey Biodiversity Information Centre (SBIC) – Records since 2017 Overview	5
Tab	les	
Table	7.1.1: Notable plants recorded within 1 km of the Scheme since 2007	5
Table	7.1.2: Bats recorded within 1 km of the Scheme since 2007	7
Table	7.1.3: Bats recorded within 10 km of the Scheme since 2007	8
Table	7.1.4: Bats recorded within a 4 x 4 km square of the Scheme	8
Table	7.1.5: Rare and notable bat species recorded within 20 km of the Scheme	9
Table	7.1.6: Amphibians recorded within 1 km of the Scheme since 2007	10
Table	7.1.7: Reptiles recorded within 1 km of the Scheme since 2007	11
Table	7.1.8: Reptiles recorded within 1 km of the Scheme since 2007	11
Table	7.1.9: Birds recorded within 1 km of the Scheme since 2007	12
Table	7.1.10: 2J's breeding bird data for qualifying species of the Wisley Common and Ockham Common	
compo	onents of Thames Basin Heaths SPA between 2013 and 2017	15
Table	7.1.11: Badgers recorded	16
Table	7.1.12: Invertebrates recorded within 1 km of the Scheme since 2007	17

Appendix 7.4 Desk Study Records



7.1 Surrey Biodiversity Information Centre (SBIC) – Records since 2017

7.1.1 Overview

- 7.1.1.1 All desk study records pertaining to notable and protected species below are all within 10 years of the data search (between 2007 and 2017) unless stated otherwise.
- 7.1.1.2 Records from Surrey Biodiversity Information Centre (SBIC) were provided as a four-figure grid reference, giving an indication of the presence of a species within a grid-square, but no confirmed location. All SBIC data is taken from a central ordnance survey national grid reference (OSNGR) for the Scheme (TQ 080 593).

7.1.2 Notable Plants

7.1.2.1 Table 7.1.1 below provides a summary of the notable plant species recorded within 1 km of the Scheme, provided by SBIC.

Table 7.1.1: Notable plants recorded within 1 km of the Scheme since 2007

Species	Scientific Name	Conservation status	Most recent record
Annual beard- grass	Polypogon monspeliensis	Nationally Scarce	2010
Annual knawel	Scleranthus annuus subsp. polycarpos	UK BAP	2007
Bird's-nest orchid	Neottia nidus- avis	IUCN (2001) - Lower Risk - Near Threatened	2008
Bluebell	Hyacinthoides non-scripta	W&C Act 1981 (Sch. 8)	2014
Blunt-leaved Bog-moss	Sphagnum palustre	Habitats Directive Annex 5	2009
Bog hair- grass	Deschampsia setacea	Nationally Scarce	2014
Butcher's- broom	Ruscus aculeatus	Habitats Directive Annex 5	2010
Common cudweed	Filago vulgaris	IUCN (2001) - Lower Risk - Near Threatened	2014
Copse- bindweed	Fallopia dumetorum	IUCN (2001) Vulnerable, UK BAP	2010
Coralroot	Cardamine bulbifera	Nationally Scarce	2007
Cornflower	Centaurea cyanus	Habitats Directive Annex 5	2014
Corn buttercup	Ranunculus arvensis	IUCN (2001) Critically Endangered, UK BAP	2009



Species	Scientific Name	Conservation status	Most recent record
Corn chamomile	Anthemis arvensis	IUCN (2001) Endangered	2008
Corn marigold	Glebionis segetum	IUCN (2001) Vulnerable	2010
Corn spurrey	Spergula arvensis	IUCN (2001) Vulnerable	2010
Cow-horn Bog-moss	Sphagnum denticulatum	Habitats Directive Annex 5	2009
Dodder	Cuscuta epithymum	IUCN (2001) Vulnerable	2011
Early meadow- grass	Poa infirma	Nationally Scarce	2010
Fringed Bog- moss	Sphagnum fimbriatum	Habitats Directive Annex 5	2009
Galingale	Cyperus longus	IUCN (2001) - Lower Risk - Near Threatened	2013
Greater dodder	Cuscuta europaea	Nationally Scarce	2010
Green- flowered helleborine	Epipactis phyllanthes	Nationally scarce	2013
Hoary cinquefoil	Potentilla argentea	IUCN (2001) - Lower Risk - Near Threatened	2009
Knotgrass	Acronicta rumicis	UK BAP Priority Species	2007
Large-leaved lime	Tilia platyphyllos	Nationally Scarce	2014
Lesser water- plantain	Baldellia ranunculoides	IUCN (2001) - Lower Risk - Near Threatened	2011
Loose silky- bent	Apera spica- venti	IUCN (2001) - Lower Risk - Near Threatened	2014
Maidenhair fern	Adiantum capillus- veneris	Nationally Scarce	2009
Meadow saffron	Colchicum autumnale	IUCN (2001) - Lower Risk - Near Threatened	2007
Mousetail	Myosurus minimus	IUCN (2001) Vulnerable	2013
Night- flowering Catchfly	Silene noctiflora	IUCN (2001) Vulnerable	2008
Stinking hellebore	Helleborus foetidus	Nationally scarce	2010



Species	Scientific Name	Conservation status	Most recent record
True Fox- sedge	Carex vulpina	UK BAP Priority Species	2010
Water-soldier	Stratiotes aloides	IUCN (2001) - Lower Risk - Near Threatened	2009
Welsh poppy	Meconopsis cambrica	Nationally Scarce	2011

7.1.3 Bats

7.1.3.1 Table 7.1.2 below provides a summary of the bat species recorded within 1 km of the Scheme, provided by SBIC.

Table 7.1.2: Bats recorded within 1 km of the Scheme since 2007

Species	Scientific Name	Conservation status	Most recent record
Smooth newt	Lissotriton vulgaris	W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b	2016
Brown long- eared bat	Plecotus auritus	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections)	2015
Common pipistrelle	Pipistrellus pipistrellus	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections)	2015
Daubenton's bat	Myotis daubentonii	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections)	2014
Leisler's bat	Nyctalus leisleri	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections)	2015
Nathusius' pipistrelle	Pipistrellus nathusii	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections)	2015
Natterer's bat	Myotis nattereri	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections)	2016
Noctule bat	Nyctalus noctula	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections)	2015
Soprano pipistrelle	Pipistrellus pygmaeus;	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections)	2015
Serotine bat	Eptesicus serotinus	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections)	2015



7.1.3.2 In addition to the species in Table 7.1.2, the following bat species listed in **Error! Reference source not found.** have been recorded within 10 km of the Scheme since 2007, provided by SBIC.

Table 7.1.3: Bats recorded within 10 km of the Scheme since 2007

Species	Scientific Name	Conservation status	Most recent record
Barbastelle bat	Barbastella barbastellus	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections). Habitats and species directive Annex II - non-priority species.	2012
Bechstein's Bat	Myotis bechsteinii	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections). Habitats and species directive Annex II - non-priority species.	2014
Whiskered bat	Myotis mystacinus	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections).	2015

7.1.3.3 Surrey Bat Group (SBG) provided records of bats within a 4km square of the Scheme¹, which are shown in Table 7.1.4 below.

Table 7.1.4: Bats recorded within a 4 x 4 km square of the Scheme

Species	Scientific Name	Conservation status	Number of records	Closest Record	Most recent record
Brown long- eared bat	Plecotus auritus	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections).	4	Within the Scheme Boundary at Bolder Mere	2014
Common pipistrelle	Pipistrellus pipistrellus	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections).	17	Within the Scheme Boundary at Bolder Mere	2015
Daubenton's bat	Myotis daubentonii	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections).	7	Within the Scheme Boundary at Bolder Mere	2017
Nathusius' pipistrelle	Pipistrellus nathusii	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections).	2	Within the Scheme Boundary at Bolder Mere	2014
Natterer's bat	Myotis nattereri	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch.	17	1 km OS grid square overlapping the	2017

¹ The central OSNGR provided was TQ 081 592.

Planning Inspectorate scheme reference: TR010030 Application document reference: TR010030/APP/6.5 (Vol 6) Rev 0



Species	Scientific Name	Conservation status	Number of records	Closest Record	Most recent record
		2), W&C Act 1981 (Sch. 5 all sections).		Scheme Boundary	
Noctule bat	Nyctalus noctula	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections).	11	Within the Scheme Boundary at Bolder Mere	2015
Serotine bat	Eptesicus serotinus	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections).	1	1 km OS grid square overlapping the Scheme Boundary	2015
Soprano pipistrelle	Pipistrellus pygmaeus	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections).	16	Within the Scheme Boundary at Bolder Mere	2015

7.1.3.4 In addition to the data provided above, SBG provided bat records from within a 20 km square from the Scheme² for the following rare, cryptic³ and Habitats Directive Annex II species⁴, shown in Table 7.1.5 below.

Table 7.1.5: Rare and notable bat species recorded within 20 km of the Scheme

Species	Scientific Name	Conservation status	Number of records	Closest Record	Most recent record
Barbastelle bat	Barbastella barbastellus	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections). Habitats and species directive Annex II - non-priority species.	9	5.5 km south of the southern extent of the Scheme Boundary	2017
Bechstein's Bat	Myotis bechsteinii	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections) Habitats and species directive Annex II - non-priority species.	10	1.7 km south-east of the eastern extent of the Scheme Boundary	2017

² The central OSNGR provided was TQ 096 607.

⁴ As listed on http://jncc.defra.gov.uk/page-1523 (accessed 14/02/2019)

³ Alcathoe bats are classed as a cryptic species due to the fact that their presence in Great Britain was first recorded in 2010 and therefore very little is known with regards to their population size or distribution within Great Britain. For further details see: Natural England and other parties (2018). A Review of the Population and Conservation Status of British Mammals: Technical Summary. http://nora.nerc.ac.uk/id/eprint/520322/1/N520322CR.pdf (accessed 14/02/2019)



Species	Scientific Name	Conservation status	Number of records	Closest Record	Most recent record
Alcathoe bat	Myotis alcathoe	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections).	6	2.3 km south of the south- eastern extent of the Scheme Boundary	2017
Brant's bat	Myotis brandtii	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections).	1	1.7 km south-east of the eastern extent of the Scheme Boundary	2016
Nathusius' pipistrelle	Pipistrellus nathusii	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 all sections).	129	Within the Scheme Boundary at Bolder Mere	2017

7.1.4 Amphibians

7.1.4.1 Table 7.1.6 below provides a summary of amphibian species recorded within 1 km of the Scheme, provided by SBIC.

Table 7.1.6: Amphibians recorded within 1 km of the Scheme since 2007

Species	Scientific Name	Conservation status	Most recent record
Common frog	Rana temporaria	W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b)	2014
Common toad	Bufo bufo	W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b	2014
Great crested newt	Triturus cristatus	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 All Sections)	2016
Marsh frog	Pelophylax ridibundus		2010
Palmate newt	Lissotriton helveticus	W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b	2016
Smooth newt	Lissotriton vulgaris	W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b	2016



- 7.1.4.2 The Surrey Amphibian Reptile Group (SARG) provided records of amphibians within 3 km from the Scheme.
- 7.1.4.3 One record of great crested newt within 1 km of the Scheme was provided, located at Ordnance Survey National Grid Reference (OSNGR) TQ 06969 59565 which falls within the Scheme on the edge of Buxton Wood. No waterbody was located at this grid reference following a review of Ordnance Survey maps and aerial imagery.

7.1.5 Reptiles

7.1.5.1 Table 7.1.7 below provides a summary of reptile species recorded within 1 km of the Scheme, provided by SBIC.

Table 7.1.7: Reptiles recorded within 1 km of the Scheme since 2007

Species	Scientific Name	Conservation status	Most recent record
Adder	Vipera berus	W&C Act 1981 (Sch. 5 Sec. 9.1 (killing/injuring)), W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b)	2017
Common lizard	Zootoca vivipara	W&C Act 1981 (Sch. 5 Sec. 9.1 (killing/injuring)), W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b)	2016
Grass snake	Natrix natrix	W&C Act 1981 (Sch. 5 Sec. 9.1 (killing/injuring)), W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b)	2016
Sand lizard	Lacerta agilis	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 All Sections)	2016
Slow worm	Anguis fragilis	W&C Act 1981 (Sch. 5 Sec. 9.1 (killing/injuring)), W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b)	2016

7.1.5.2 SARG provided records for reptiles within 3 km of the Scheme since 2007, from two grid references (TQ 08063 59272 and TQ 05901 5687) for the Scheme. The results are provided in Table 7.1.8.

Table 7.1.8: Reptiles recorded within 1 km of the Scheme since 2007

Species	Scientific name	Legal Protection	Number of records	Approximate Closest Record	Most recent record
Adder	Vipera berus	W&C Act 1981 (Sch. 5 Sec. 9.1 (killing/injuring)), W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b):	301	Within the Scheme Boundary	2017



Species	Scientific name	Legal Protection	Number of records	Approximate Closest Record	Most recent record
Common lizard	Zootoca vivipara	W&C Act 1981 (Sch. 5 Sec. 9.1 (killing/injuring)), W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b)	131	Within the Scheme Boundary	2017
Grass snake	Natrix natrix	W&C Act 1981 (Sch. 5 Sec. 9.1 (killing/injuring)), W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b)	99	Within the Scheme Boundary	2017
Sand lizard	Lacerta agilis	The Conservation (Natural Habitats, &c.) Regulations 2010 (Sch. 2), W&C Act 1981 (Sch. 5 All Sections)	113	10 m from the Scheme Boundary	2016
Slow worm	Anguis fragilis	W&C Act 1981 (Sch. 5 Sec. 9.1 (killing/injuring)), W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b)	103	Within the Scheme Boundary	2017

7.1.6 Birds

7.1.6.1 Table 7.1.9 below provides a summary of bird species recorded within 1 km of the Scheme, provided by SBIC.

Table 7.1.9: Birds recorded within 1 km of the Scheme since 2007

Species	Scientific Name	Conservation status	Breeding status	Most recent record
Black kite	Milvus migrans	Annex 1 ⁵	Passage	2008
Black-headed gull	Larus ridibundus	Amber List BoCC ⁶	Passage/winter	2013
Brambling	Fringilla montifringilla	Schedule 1 ⁷	Passage/winter	2013
Common gull	Larus canus	Amber List BoCC	Passage/winter	2014
Common sandpiper	Actitis hypoleucos	Amber List BoCC	Passage	2012
Common tern	Sterna hirundo	Annex 1, Amber List BoCC	Passage/breeding	2014
Crossbill	Loxia curvirostra	Schedule 1	Resident	2014

 $^{^{\}rm 5}$ Annex 1 of the Birds Directive 79/409/EEC.

⁶ Birds of Conservation Concern (BoCC), as taken from Eaton MA, Aebischer NJ, Brown AF, Hearn RD, Lock L, Musgrove AJ, Noble DG, Stroud DA and Gregory RD (2015) Birds of Conservation Concern 4: the population status of birds in the United Kingdom, Channel Islands and Isle of Man. British Birds 108, pp708–746.

⁷ Schedule 1 of the Wildlife and Countryside Act (WCA) 1981 (as amended).



Species	Scientific Name	Conservation status	Breeding status	Most recent record
Cuckoo	Cuculus canorus	Red List BoCC, SPI	Breeding	2014
Dartford warbler	Sylvia undata	Schedule 1, Annex 1, Amber List BoCC	Resident	2017
Dunnock	Prunella modularis	Amber List BoCC, SPI	Resident	2013
Fieldfare	Turdus pilaris	Schedule 1, Red List BoCC	Passage/winter	2013
Firecrest	Regulus ignicapillus	Schedule 1	Breeding/passage/winter	2010
Gadwall	Anas strepera	Amber List BoCC	Breeding/passage/winter	2015
Green sandpiper	Tringa ochropus	Schedule 1, Amber List BoCC	Passage	2009
Greenshank	Tringa nebularia	Schedule 1, Amber List BoCC	Passage	2010
Grey wagtail	Motacilla cinerea	Red List BoCC	Resident	2011
Greylag goose	Anser anser	Amber List BoCC	Resident	2014
Herring gull	Larus argentatus	Red List BoCC, SPI	Passage/winter	2013
Hobby	Falco subbuteo	Schedule 1	Breeding	2015
House martin	Delichon urbica	Amber List BoCC	Passage/breeding	2010
House sparrow	Passer domesticus	Red List BoCC, SPI	Resident	2012
Kestrel	Falco tinnunculus	Amber List BoCC	Resident	2015
Kingfisher	Alcedo atthis	Schedule 1, Annex 1, Amber List BoCC	Resident	2014
Lapwing	Vanellus vanellus	Red List BoCC, SPI	Breeding/passage/winter	2013
Lesser black- backed gull	Larus fuscus	Amber List BoCC	Passage/winter	2013
Lesser redpoll	Carduelis cabaret	Red List BoCC, SPI	Passage/winter	2008
Lesser spotted woodpecker	Dendrocopos minor	Red List BoCC, SPI	Resident	2008
Linnet	Carduelis cannabina	Red List BoCC, SPI	Resident/winter	2015



Species	Scientific Name	Conservation status	Breeding status	Most recent record
Little egret	Egretta garzetta	Annex 1	Resident	2014
Mallard	Anas platyrhynchos	Amber List BoCC	Resident	2015
Meadow pipit	Anthus pratensis	Amber List BoCC	Passage/winter	2014
Mistle thrush	Turdus viscivorus	Red List BoCC	Resident	2013
Nightjar	Caprimulgus europaeus	Annex 1, Amber List BoCC, SPI	Breeding	2015
Osprey	Pandion haliaetus	Schedule 1, Annex 1, Amber List BoCC	Passage	2012
Peregrine	Falco peregrinus	Schedule 1, Annex 1	Possible resident	2011
Pochard	Aythya ferina	Amber List BoCC	Breeding/passage/winter	2015
Red kite	Milvus milvus	Schedule 1, Annex 1	Resident	2014
Redstart	Phoenicurus phoenicurus	Amber List BoCC	Passage	2014
Redwing	Turdus iliacus	Schedule 1, Red List BoCC	Passage/winter	2015
Reed bunting	Emberiza schoeniclus	Amber List BoCC, SPI	Resident	2014
Roseate tern	Sterna dougallii	Schedule 1, Annex 1, Red List BoCC, SPI	Passage	2013
Shelduck	Tadorna tadorna	Amber List BoCC	Passage/winter	2007
Skylark	Alauda arvensis	Red List BoCC, SPI	Resident	2015
Song thrush	Turdus philomelos	Red List BoCC, SPI	Resident	2015
Spotted flycatcher	Muscicapa striata	Red List BoCC, SPI	Breeding	2014
Starling	Sturnus vulgaris	Red List BoCC, SPI	Resident	2013
Stock dove	Columba oenas	Amber List BoCC	Resident	2013
Swift	Apus apus	Amber List BoCC	Passage/breeding	2013
Tawny owl	Strix aluco	Amber List BoCC	Resident	2009
Teal	Anas crecca	Amber List BoCC	Breeding/passage/winter	2014



Species	Scientific Name	Conservation status	Breeding status	Most recent record
Tree pipit	Anthus trivialis	Red List BoCC, SPI	Passage/breeding	2009
Tree sparrow	Passer montanus	Red List BoCC, SPI	Resident	2010
Whinchat	Saxicola rubetra	Red List BoCC	Passage	2009
Wigeon	Anas penelope	Amber List BoCC	Passage/winter	2015
Willow warbler	Phylloscopus trochilus	Amber List BoCC	Passage/breeding	2014
Woodcock	Scolopax rusticola	Red List BoCC	Breeding/winter	2009
Woodlark	Lullula arborea	Schedule 1, Annex 1, SPI	Breeding	2015
Wryneck	Jynx torquilla	Schedule 1, Red List BoCC	Passage	2008
Yellowhammer	Emberiza citrinella	Red List BoCC, SPI	Resident	2012
Yellow-legged gull	Larus michahellis	Amber List BoCC	Passage/winter	2010

The 2J's⁸ provided records on the qualifying species of the Thames Basin 7.1.6.2 Heaths SPA species at Wisley Common and Ockham Common, for a five-year period between 2013-2017. These records are provided in Table 7.1.10 below.

Table 7.1.10: 2J's breeding bird data for qualifying species of the Wisley Common and Ockham Common components of Thames Basin Heaths SPA between 2013 and 2017

Species	Common Name	Number of territories within Wisley Common	Number of territories within Ockham Common
2013	Dartford warbler	None recorded	None recorded
	Nightjar	None recorded	Four territories, all outside the Scheme
	Woodlark	Three territories, all outside the Scheme	One territory, outside the Scheme
2014	Dartford warbler	None recorded	None recorded
	Nightjar	One territory, outside the Scheme	Four territories, all outside the Scheme
	Woodlark	Three territories, all outside the Scheme	One territory, outside the Scheme

⁸ 2J's is a voluntary group of ornithologists who survey all of the Thames Basin Heaths SPA sites during the breeding bird season, to monitor the numbers of SPA qualifying species

Planning Inspectorate scheme reference: TR010030

Application document reference: TR010030/APP/6.5 (Vol 6) Rev 0



Species	Common Name	Number of territories within Wisley Common	Number of territories within Ockham Common
2015	Dartford warbler	One territory, outside the Scheme	Two territories, both outside the Scheme
	Nightjar	None recorded	Five territories, all outside the Scheme
	Woodlark	Three territories, all outside the Scheme	One territory, outside the Scheme
2016	Dartford warbler	Three territories, all outside the Scheme	Four territories, all outside the Scheme
	Nightjar	One territory, outside the Scheme	Four territories, all outside the Scheme
	Woodlark	Three territories, all outside the Scheme	One territory, outside the Scheme
2017	Dartford warbler	Three territories, all outside the Scheme	Three territories, all outside the Scheme
	Nightjar	Three territories, all outside the Scheme	Three territories, all outside the Scheme
	Woodlark	One territory, outside the Scheme	Two territories, both outside the Scheme

7.1.7 Badgers

7.1.7.1 provided records in 2016 The results are shown in Table 7.1.11 below.

Table 7.1.11: Badgers recorded

Type of record	Approximate distance and direction from the Scheme
Sett – no further information provided.	
Sett – no further information provided	
Sett – no further information provided	
Sett – no further information provided	
Sett – no further information provided	
Sett – no further information provided	
Sett – no further information provided	
Sett – no further information provided	



7.1.8 Notable Invertebrates

7.1.8.1 Table 7.1.12 below provides a summary of notable invertebrate species recorded within 1 km of the Scheme, provided by SBIC.

Table 7.1.12: Invertebrates recorded within 1 km of the Scheme since 2007

Species	Scientific Name	Conservation status	Most recent record
6-banded Nomad Bee	Nomada fulvicornis	IUCN (pre 1994) - Rare	2007
Adonis' ladybird	Hippodamia variegata	Nationally Notable B	2010
Bee wolf	Philanthus triangulum	IUCN (pre 1994) - Vulnerable	2011
Beetle	Phloiophilus edwardsii	Nationally Notable B	2008
Black-headed Cardinal Beetle	Pyrochroa coccinea	Nationally Notable B	2013
Blood-vein	Timandra comae	UK BAP Priority Species	2014
Box bug	Gonocerus acuteangulatus	IUCN (pre 1994) - Endangered	2012
Brilliant emerald	Somatochlora metallica	IUCN (2001) - Vulnerable	2012
Brindled beauty	Lycia hirtaria	UK BAP Priority Species	2007
Brown ant	Lasius brunneus	Nationally Notable A	2013
Buff ermine	Spilosoma luteum	UK BAP Priority Species	2015
Bulrush veneer	Calamotropha paludella	Nationally Notable B	2012
Chequered beetle	Tillus elongatus	Nationally Notable B	2008
Cinnabar	Tyria jacobaeae	UK BAP Priority Species	2013
Click beetle	Ampedus elongantulus	Nationally Notable A	2013
Click beetle	Ampedus sanguinolentus	Nationally Notable A	2013
Dark Grass- veneer	Crambus hamella	Nationally Notable B	2014
Darkling beetle	Diaperis boleti	IUCN (pre 1994) - Vulnerable	2015
Dumbledor	Trypocopris pyrenaeus	Nationally Notable A	2011



Species	Scientific Name	Conservation status	Most recent record
Dusky thorn	Ennomos fuscantaria	UK BAP Priority Species	2015
Ear moth	Amphipoea oculea	UK BAP Priority Species	2015
European tarnished plant bug	Lygus pratensis	IUCN (pre 1994) – Rare	2010
Ewel beetle	Agrilus laticornis	Nationally Notable B	2015
False click beetle	Hylis olexai	IUCN (pre 1994) - Rare	2011
Fly	Leopoldius brevirostris	IUCN (pre 1994) - Vulnerable	2007
Fly	Aulogastromyia anisodactyla	Nationally Notable	2015
Fly	Conisternum decipiens	Nationally Notable	2015
Fly	Zophomyia temula	Nationally Notable	2015
Fungus weevil	Enedreytes sepicola	IUCN (pre 1994) - Vulnerable	2013
Gall fly	Acanthiophilus helianthi	Nationally Notable	2015
Gall fly	Acinia corniculata	IUCN (pre 1994) - Endangered	2015
Gall fly	Oxyna flavipennis	Nationally Notable	2015
Girdled mining bee	Andrena labiata	Nationally Notable A	2007
Ground bug	Nysius helveticus	IUCN (pre 1994) - Rare	2011
Hairy legged mining bee	Dasypoda hirtipes	Nationally Notable B	2007
Hawthorn jewel beetle	Agrilus sinuatus	Nationally Notable A	2015
Heath rustic	Xestia agathina	UK BAP Priority Species	2011
Hoverfly	Volucella zonaria	Nationally Notable	2013
Hoverfly	Neoascia geniculata	Nationally Notable	2013
Knotgrass	Acronicta rumicis	UK BAP Priority Species	2007
Leaf beetle	Gonioctena decemnotata	Nationally Notable B	2015



Species	Scientific	Conservation status	Most recent
Opecies	Name	Conservation status	record
Leaf beetle	Donacia cinerea	Nationally Notable B	2007
Leaf beetle	Donacia thalassina	Nationally Notable B	2007
Leaf beetle	Chaetocnema subcoerulea	Nationally Notable B	2007
Leaf beetle	Altica ericeti	Nationally Notable B	2015
Leafroller weevil	Involvulus cupreus	Nationally Notable B	2015
Longhorn beetle	Stictoleptura scutellata	Nationally Notable A	2013
Long-legged Tabby	Synaphe punctalis	Nationally Notable B	2015
Narrow bark beetle	Monotoma angusticollis	IUCN (pre 1994) - Rare	2015
Neglected rustic	Xestia castanea	UK BAP Priority Species	2012
Nomad or mason bee	Nomada fucata	Nationally Notable A	2011
Nomad or mason bee	Nomada lathburiana	IUCN (pre 1994) - Rare	2007
Oak Hook-tip	Watsonalla binaria	UK BAP Priority Species	2015
Red wood ant	Formica rufa	IUCN (1994) – Lower Risk – Near Threatened	2015
Rosy rustic	Hydraecia micacea	UK BAP Priority Species	2015
Rosy-striped Knot-horn	Oncocera semirubella	Nationally Notable B	2015
Rubytail wasp	Pseudomalus violaceus	Nationally Notable B	2007
Rubytail wasp	Hedychrum niemelai	IUCN (pre 1994) - Rare	2015
Scarce 7-spot ladybird	Coccinella magnifica	Nationally Notable A	2015
Seed weevil	Protapion dissimile	Nationally Notable B	2012
September thorn	Ennomos erosaria	UK BAP Priority Species	2015
Sexton beetle	Nicrophorus interruptus	Nationally Notable B	2008
Short-horned Black Legionnaire	Beris fuscipes	Nationally Notable	2015



Species	Scientific Name	Conservation status	Most recent record
Shoulder- striped wainscot	Mythimna comma	UK BAP Priority Species	2015
Silver-studded Blue	Plebejus argus	UK BAP Priority Species	2009
Slaver ant	Formica sanguinea	Nationally Notable B	2011
Small heath	Coenonympha pamphilus	UK BAP Priority Species	2015
Small phoenix	Ecliptopera silaceata	UK BAP Priority Species	2012
Small square- spot	Diarsia rubi	UK BAP Priority Species	2007
Soldier beetle	Malthodes guttifer	Nationally Notable B	2008
Soldier beetle	Crudosilis ruficolli	Nationally Notable B	2011
Solitary bee	Andrena bimaculata	Nationally Notable B	2007
Solitary bee	Sphecodes crassus	Nationally Notable B	2007
Solitary wasp	Mimumesa spooneri	IUCN (pre 1994) – Rare	2015
Spider hunting wasp	Auplopus carbonarius	Nationally Notable B	2007
Squashbug	Spathocera dalmanii	Nationally Notable A	2015
Stag beetle	Lucanus cervus	W&C Act 1981 (Sch. 5 Sec. 9.5a), W&C Act 1981 (Sch. 5 Sec. 9.5b)	2009
Tanner beetle	Prionus coriarius	Nationally Notable A	2015
Weevil	Polydrusus formosus	Nationally Notable A	2013
Weevil	Rhinocyllus conicus	Nationally Notable A	2013
Weevil	Gronops lunatus	Nationally Notable B	2015
White admiral	Limenitis camilla	UK BAP Priority Species	2008
White ermine	Spilosoma lubricipeda	UK BAP Priority Species	2013
White-line dart	Euxoa tritici	UK BAP Priority Species	2012

© Crown copyright (2017).

You may re-use this information (not including logos) free of charge in any format or medium, under the terms of the Open Government Licence. To view this licence:

visit www.nationalarchives.gov.uk/doc/open-government-licence/ write to the Information Policy Team, The National Archives, Kew, London TW9 4DU, or email psi@nationalarchives.gsi.gov.uk.

Printed on paper from well-managed forests and other controlled sources.

Registered office Bridge House, 1 Walnut Tree Close, Guildford GU1 4LZ Highways England Company Limited registered in England and Wales number 09346363