

Appendix E.A01
Biological Records

Scientific Name	Abundance	Sex/stage	Date	Year	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)
Tetragonolobus maritimus			1982	1982	SP537272	Ardley Cutting & Quarry		IUCN (pre 1994) - Rare							
Tetragonolobus maritimus	abundant		1987	1987	SP533275	Ardley Cutting & Quarry		IUCN (pre 1994) - Rare							
Harpalus ardosiacus			12-Nov-99	1999	SP548262	Ardley Fields Quarry	Ardley Fields Quarry North Quarry					Nb			
Berosus affinis			12-Nov-99	1999	SP548262	Ardley Fields Quarry	Ardley Fields Quarry North Quarry					Nb			
Gallinago gallinago	1		12-Nov-99	1999	SP548262	Ardley Fields Quarry	Ardley Fields Quarry North Quarry						Amber List		
Triturus cristatus			04-Jul-83	1983	SP543264	Ardley Fields Quarry		IUCN (1994) - Lower risk - conservation dependent	Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994	Priority Sp.				
Motacilla flava		in bud	03-Jun-85	1985	SP543264	Ardley Fields Quarry							Amber List		
Harpalus schaubergerianus			30-Nov-86	1986	SP543264	Ardley Fields Quarry						Nb			
Harpalus schaubergerianus			28-Apr-87	1987	SP543264	Ardley Fields Quarry						Nb			
Salvia pratensis	2		1985	1985	SP535250	Ardley Lay-by		IUCN (pre 1994) - Vulnerable	Schedule 8 (W&C Act 1981)					Scarce (VP)	NT
Salvia pratensis			1985	1985	SP536253	Ardley Lay-by		IUCN (pre 1994) - Vulnerable	Schedule 8 (W&C Act 1981)					Scarce (VP)	NT
Salvia pratensis			1987	1987	SP535249	Ardley Lay-by		IUCN (pre 1994) - Vulnerable	Schedule 8 (W&C Act 1981)					Scarce (VP)	NT
Salvia pratensis	4		01-Jul-87	1987	SP536251	Ardley Lay-by		IUCN (pre 1994) - Vulnerable	Schedule 8 (W&C Act 1981)					Scarce (VP)	NT
Clinopodium acinos			12-Jul-94	1994	SP535249	Ardley Lay-by									VU
Salvia pratensis			10-Jul-94	1994	SP535249	Ardley Lay-by		IUCN (pre 1994) - Vulnerable	Schedule 8 (W&C Act 1981)					Scarce (VP)	NT
Salvia pratensis	6		01-Jul-95	1995	SP535249	Ardley Lay-by		IUCN (pre 1994) - Vulnerable	Schedule 8 (W&C Act 1981)					Scarce (VP)	NT
Onobrychis viciifolia			1969	1969	SP538273	Ardley Quarry and Cuttings SSSI	Ardley Quarry BBOWT Reserve								NT
Tetragonolobus maritimus			1969	1969	SP538273	Ardley Quarry and Cuttings SSSI	Ardley Quarry BBOWT Reserve	IUCN (pre 1994) - Rare							
Onobrychis viciifolia			05-May-78	1978	SP538273	Ardley Quarry and Cuttings SSSI	Ardley Quarry BBOWT Reserve								NT
Tetragonolobus maritimus			05-May-78	1978	SP538273	Ardley Quarry and Cuttings SSSI	Ardley Quarry BBOWT Reserve	IUCN (pre 1994) - Rare							
Tetragonolobus maritimus			05-May-78	1978	SP538273	Ardley Quarry and Cuttings SSSI	Ardley Quarry BBOWT Reserve	IUCN (pre 1994) - Rare							
Nepeta cataria			05-May-78	1978	SP538273	Ardley Quarry and Cuttings SSSI	Ardley Quarry BBOWT Reserve								VU
Clinopodium acinos			05-May-78	1978	SP538273	Ardley Quarry and Cuttings SSSI	Ardley Quarry BBOWT Reserve								VU
Anthemis cotula			05-May-78	1978	SP538273	Ardley Quarry and Cuttings SSSI	Ardley Quarry BBOWT Reserve								VU
Hyacinthoides non-scripta			05-May-78	1978	SP538273	Ardley Quarry and Cuttings SSSI	Ardley Quarry BBOWT Reserve		W&C Act 1981, Schedule 8, Section 13 Part 2						

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Clinopodium acinos			22-Jun-83	1983	SP523283	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings								VU
Clinopodium acinos			22-Jun-83	1983	SP534274	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings								VU
Clinopodium acinos			04-Jul-83	1983	SP544263	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings								VU
Tyta luctuosa			22-Jun-83	1983	SP517287	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings	IUCN (pre 1994) - Vulnerable			Priority Sp.				
Tyta luctuosa			22-Jun-83	1983	SP523283	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings	IUCN (pre 1994) - Vulnerable			Priority Sp.				
Tyta luctuosa			22-Jun-83	1983	SP534274	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings	IUCN (pre 1994) - Vulnerable			Priority Sp.				
Tyta luctuosa			04-Jul-83	1983	SP544263	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings	IUCN (pre 1994) - Vulnerable			Priority Sp.				
Tyta luctuosa			26-Jul-84	1984	SP523283	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings	IUCN (pre 1994) - Vulnerable			Priority Sp.				
Tyta luctuosa			26-Jul-84	1984	SP534274	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings	IUCN (pre 1994) - Vulnerable			Priority Sp.				
Tetragonolobus maritimus			23-Jul-85	1985	SP534274	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings	IUCN (pre 1994) - Rare							
Euphorbia exigua			19-Jun-85	1985	SP517287	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings								NT
Euphorbia exigua			19-Jun-85	1985	SP523283	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings								NT
Euphorbia exigua			19-Jun-85	1985	SP534274	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings								NT
Clinopodium acinos			19-Jun-85	1985	SP517287	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings								VU
Clinopodium acinos			23-Jul-85	1985	SP517287	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings								VU
Clinopodium acinos			23-Jul-85	1985	SP523283	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings								VU
Clinopodium acinos			23-Jul-85	1985	SP534274	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings								VU
Scotopteryx bipunctaria cretata			23-Jul-85	1985	SP534274	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings					Nb			
Tyta luctuosa			19-Jun-85	1985	SP517287	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings	IUCN (pre 1994) - Vulnerable			Priority Sp.				
Tyta luctuosa			03-Jun-85	1985	SP523283	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings	IUCN (pre 1994) - Vulnerable			Priority Sp.				
Tyta luctuosa			19-Jun-85	1985	SP523283	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings	IUCN (pre 1994) - Vulnerable			Priority Sp.				
Tyta luctuosa			03-Jun-85	1985	SP534274	Ardley Quarry and Cuttings SSSI	Fritwell Railway Cuttings	IUCN (pre 1994) - Vulnerable			Priority Sp.				

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Nepeta cataria			Pre 1984	1984	SP538273	Ardley Quarry and Cuttings SSSI									VU
Clinopodium acinos			Pre 1984	1984	SP538273	Ardley Quarry and Cuttings SSSI									VU
Mentha suaveolens			Pre 1984	1984	SP538273	Ardley Quarry and Cuttings SSSI								Scarce (VP)	DD
Anthemis cotula			Pre 1984	1984	SP538273	Ardley Quarry and Cuttings SSSI									VU
Hordelymus europaeus			Pre 1984	1984	SP538273	Ardley Quarry and Cuttings SSSI								Scarce (VP)	
Hyacinthoides non-scripta			Pre 1984	1984	SP538273	Ardley Quarry and Cuttings SSSI			W&C Act 1981, Schedule 8, Section 13 Part 2						
Bembidion gilvipes			01-Mar-00	2000	SP538274	Ardley Quarry and Cuttings SSSI						Nb			
Bembidion clarki			01-Mar-00	2000	SP538274	Ardley Quarry and Cuttings SSSI						Nb			
Longitarsus parvulus			24-Sep-96	1996	SP510232	Aves Ditch	Tetrad 5022 section					Na			
Cryptocephalus frontalis			30-Jun-86	1986	SP523283	BANBURY TO BICESTER RAILWAY	RAILWAY CUTTINGS 5228					Na			
Vanellus vanellus			01-Jul-86	1986	SP494291	Brook, Cold Harbour Farm							Amber List		
Alcedo atthis			01-Jul-86	1986	SP494291	Brook, Cold Harbour Farm			Schedule 1 (W&C Act 1981)				Amber List		
Plecotus auritus			18-Sep-01	2001	SP515258	Camp Road, Upper Heyford.			Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994					
Hyacinthoides non-scripta			1975	1979	SP483266	Cherwell Valley Wood SW of Heyford Lock			W&C Act 1981, Schedule 8, Section 13 Part 2						
Hyacinthoides non-scripta			12-Jun-01	2001	SP526274	Kennel Copse	east of road, Kennel Copse		W&C Act 1981, Schedule 8, Section 13 Part 2						
Hyacinthoides non-scripta			12-Jun-01	2001	SP526274	Kennel Copse	west of road, Kennel Copse		W&C Act 1981, Schedule 8, Section 13 Part 2						
Hyacinthoides non-scripta			13-Apr-88	1988	SP526274	Kennel Copse			W&C Act 1981, Schedule 8, Section 13 Part 2						
Numenius arquata			Pre 1987	1987	SP485280	Meadow East of Grange Farm							Amber List		
Cuculus canorus			Pre 1987	1987	SP485280	Meadow East of Grange Farm							Amber List		
Picus viridis			Pre 1987	1987	SP485280	Meadow East of Grange Farm							Amber List		
Delichon urbica		proved breeding	20-Jul-83	1983	SP519241	MIDDLETON PARK (Ecological Area)							Amber List		
Torilis arvensis			1960	1960	SP536249	Middleton Stoney								Scarce (VP)	EN
Cygnus olor		adult	31-Jul-98	1998	SP490250	Oxford Canal	tetrad 4824 Oxford Canal						Amber List		
Alcedo atthis		adult	31-Jul-98	1998	SP490250	Oxford Canal	tetrad 4824 Oxford Canal		Schedule 1 (W&C Act 1981)				Amber List		
Protapion varipes			04-Oct-42	1942	SP486270	Oxford Canal	tetrad 4826 Oxford Canal					Nb			

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Hyacinthoides non-scripta			Pre 1972	1972	SP518248	Oxon Tetrad 5024			W&C Act 1981, Schedule 8, Section 13 Part 2						
Meles meles			06-Mar-01	2001	SP537249	oxon tetrad 5224	north of Middleton Stoney, oxon tetrad 5224		Badger Act 1992						
Meles meles		Badger Sett	01-Jan-83	1983	SP520260	oxon tetrad 5226	Ardley Old Quarry, oxon tetrad 5226		Badger Act 1992						
Lysandra bellargus			1990	1990	SP5226	oxon tetrad 5226			Schedule 5, parts 5(a) and (b) (W&C Act 1981)		Priority Sp.	Notable			
Emberiza citrinella			02-Jun-04	2004	SP527280	Oxon tetrad 5228	Fritwell minor road						Red List		
Miliaria calandra			02-Jun-04	2004	SP527280	Oxon tetrad 5228	Fritwell minor road				Priority Sp.		Red List		
Oenanthe fistulosa			31-Jul-98	1998	SP490250	River Cherwell	tetrad 4824 R.Cherwell								VU
Cygnus olor		adult	06-Aug-98	1998	SP486270	River Cherwell	tetrad 4826 R.Cherwell						Amber List		
Alcedo atthis		adult	06-Aug-98	1998	SP486270	River Cherwell	tetrad 4826 R.Cherwell		Schedule 1 (W&C Act 1981)				Amber List		
Pisidium tenuilineatum	13		08-Jun-01	2001	SP492263	River Cherwell	tetrad 4826 R.Cherwell	IUCN (pre 1994) - Rare			Priority Sp.				
Austropotamobius pallipes			01-Jun-79	1979	SP491289	River Cherwell	tetrad 4828 R.Cherwell	IUCN (1994) - Vulnerable	Schedule 5, parts 1, 5(a) and (b) (W&C Act 1981)		Priority Sp.				
Emberiza schoeniclus		adult	06-Aug-98	1998	SP491289	River Cherwell	tetrad 4828 R.Cherwell				Priority Sp.		Red List		
Pisidium tenuilineatum	8		29-Jun-00	2000	SP495290	River Cherwell	tetrad 4828 R.Cherwell	IUCN (pre 1994) - Rare			Priority Sp.				
Phylloscopus trochilus			Pre 1987	1987	SP494256	Rush Spinney							Amber List		
Plecotus auritus			01-Jul-74	1974	SP497286	Somerton Churchyard			Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994					
Plecotus auritus			05-Aug-87	1987	SP497286	Somerton Churchyard			Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994					
Plecotus auritus			05-Aug-87	1987	SP497286	Somerton Churchyard			Schedule 5 - all parts (W&C Act 1981)	Conservation Regulations 1994					

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Hyacinthoides non-scripta			Pre 1986	1986	SP548282	Sycamore Grove, Ardley			W&C Act 1981, Schedule 8, Section 13 Part 2						
Picus viridis			Pre 1986	1986	SP548282	Sycamore Grove, Ardley							Amber List		
Dendrocopos minor			Pre 1986	1986	SP548282	Sycamore Grove, Ardley							Red List		
Valerianella dentata			05-Sep-00	2000	SP521252	THE GORSE AND HEATH	eastern part								EN
Onobrychis viciifolia			01-Jun-77	1977	SP523256	THE GORSE AND HEATH	THE HEATH								NT
Salvia pratensis			01-Jun-77	1977	SP523256	THE GORSE AND HEATH	THE HEATH	IUCN (pre 1994) - Vulnerable	Schedule 8 (W&C Act 1981)					Scarce (VP)	NT
Achaearanea simulans			08-Jul-86	1986	SP522255	THE GORSE AND HEATH	THE HEATH					Nb			
Achaearanea simulans			08-Jul-86	1986	SP522255	THE GORSE AND HEATH	THE HEATH					Nb			
Lithospermum arvense			27-Jun-79	1979	SP522255	THE GORSE AND HEATH	THE HEATH (EAST)								EN
Euphorbia exigua			03-Jul-00	2000	SP525269	Upper Heyford Airfield									NT
Clinopodium acinos			03-Jul-00	2000	SP525269	Upper Heyford Airfield									VU
Alauda arvensis	Up to 75 pairs (whole site)		1999-2000		SP514269	Upper Heyford Airfield	Central north				Priority Sp.		Red List		
Alauda arvensis	Up to 75 pairs (whole site)		1999-2000		SP525270	Upper Heyford Airfield	East				Priority Sp.		Red List		
Passer montanus			Oct-1999		SP525270	Upper Heyford Airfield	East				Priority Sp.		Red List		
Miliaria calandra			1999-2000		SP525270	Upper Heyford Airfield	East				Priority Sp.		Red List		
Anthus pratensis	4 pairs		1999-2000		SP514269	Upper Heyford Airfield							Amber List		
Perdix perdix			1999-2000		SP520268	Upper Heyford Airfield					Priority Sp.		Red List		

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<i>Carduelis cannabina</i>			1999-2000		SP520268	Upper Heyford Airfield					Priority Sp.		Red List		
<i>Falco tinnunculus</i>			1999-2000		SP520268	Upper Heyford Airfield							Amber List		
<i>Hirundo rustica</i>			1999-2000		SP520268	Upper Heyford Airfield							Amber List		
<i>Salvia pratensis</i>			Pre 1984	1984	SP537253	Verge of Middleton Stoney/Ardley Rd		IUCN (pre 1994) - Vulnerable	Schedule 8 (W&C Act 1981)					Scarce (VP)	NT

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