

**Thames Valley**  
Environmental Records Centre



*Enabling data-driven decisions to better enhance and protect our natural environment*

## Berkshire and Oxfordshire GIS Layers (protected & notable and invasive non- native species)

November 2023 Data Release Metadata and Guidance

## Data overview:

DatasetNames	DataSetDescription
PN_Partner_November 2023_Point	Protected & notable species (cgr 100m or better)
PN_Partner_November 2023_Poly	Protected & notable species (1km and 2km cgrs)
INNS_Partner_November 2023_Point	INNS records (cgr 100m or better)
INNS_Partner_November 2023_Poly	INNS records (1km and 2km records)

1km and 2km records are always displayed as polygons and 100m (6 figure) or better records are displayed as points.

**Produced by:** Thames Valley Environmental Records Centre

**Data ownership:** Thames Valley Environmental Records Centre and various wildlife recording groups and individuals in Berkshire and Oxfordshire.

**Date of release:** November 2023

# Dataset Description and Guidance

## Data Subject

A revised compilation of all protected and notable species records and invasive non-native species records (INNS records) held by Thames Valley Environmental Records Centre (TVERC). Each district, county or unitary authority is provided with data for their area plus a 2km buffer

## Purpose of the data capture

For use by TVERC partners for the protection and conservation of protected and notable species through the planning system and other activities.

## Important Changes

There have been no changes to the Recorder 6 software since the last data upgrade in July 2023. However, the Recorder 6 dictionary has been upgraded to version 00000054. This is the most current version. The changes made in the upgrade bring the Recorder 6 Dictionary in line with the UKSI as at 29/09/2023. The update mainly affects species in the taxon groups vascular plants, bryophytes and lichens.

## Uses of data layers

We recommend that the “point” protected and notable species GIS layer should be the main species data layer used by local authority ecologists when responding to planning consultations about development control and strategic planning. The “polygon” layer may be useful in some instances to provide background information on an area, to get an overview of species coverage, and to inform land management decisions. The INNS layer gives an overview of our current knowledge concerning invasive non-native species and is useful, for example, if control of any of these species is undertaken.

## Species Designations

In this release of data, protected and notable species designations are divided into four categories:

- European Directives:
- UK Legislation:
- Priority Species: (NERC S4.1 equivalent to previous UK BAP designation)
- Other Designations: (Global & UK Red Lists, Nationally Rare & Scarce, Nationally Notable, BOCC Red and Amber Lists, Oxon Rare & Scarce Plants and Local BAP species.

A full explanation is provided in the species status guidance information in Appendix 2 provided with this release. INNS species have the following designations:

**Priority Species:** Species affecting EA interests the most

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

For more details see Appendix 2

## Data Statements

Please read the data statements in Appendix 3 for information on data provided by local wildlife groups.

## Grid Reference Qualifier

With many bird and bat records held at 1km resolution and some of the confidential records from the Oxfordshire Ornithological Society held at 2km resolution a “Grid Ref Qualifier” column is now included as standard. Please note that the “Grid Reference Qualifier” column is currently only filled in for 1km and 2km records. Previously, Berkshire Bird Records contained more information, however this is not available in this issue of the data.

## Methods of Data Capture

Biological records supplied to TVERC are entered into a Recorder 6 database after they have been validated and verified. The raw data from the Recorder 6 database is cleaned up using an SQL stored procedure and then extracted and converted into GIS format using SQL queries embedded in R code.

## Restrictions on use

This data is provided to TVERC partners for internal use within the organisation. No part of the data can be distributed outside the receiving organisation or published in any format without permission of TVERC. The copyright of much of the data in these files remains with the recording group or recorder that supplied the data and not TVERC. Please make all users aware of this.

## Geographic coverage of the data

Each district, county or unitary authority is provided with data for their area plus a 2km buffer. The lack of species information for any particular location does not indicate the absence of protected and notable species. The area may not have been surveyed or species records may be held by groups who do not supply TVERC with data at present. A judgement on whether there is likely to be an impact on a protected or notable species should take into account the surrounding habitat and the type of work being proposed.

## Temporal coverage of the data

Historic data has not been included in this data set. No data older than 1960 is included. For vascular plants, birds, mammals, reptiles, amphibians, butterflies and moths, dragonflies and damselflies and fish no information before 1995 is included. Please note that this has changed since the last edition of the data, so the number of individual species records you receive may have decreased in the current update. For freshwater crayfish, which has declined considerably in recent years, only data from 2005 is included. However, it should be noted that sites with only earlier records are likely to have lost their populations of this species. The lack of species information for any particular point does not indicate the absence of protected and notable species. The area may not have been surveyed or species records may be held by groups who do not supply TVERC with data at present.

## Confidence in the data

All recent records from the TVERC database (2003 and later) supplied in this data set have either been verified by the data supplier (an expert in their species group) or by TVERC staff. All records in this data set have been validated by TVERC staff or volunteers. Earlier records may not have been through the same process. TVERC has not verified large data sets from other sources, but instead rely on the data suppliers to do this. Use of this data within TVERC leads to constant improvement in the quality of all the data because any errors identified are corrected.

## Additional Information

**For 1km square records:** additional information on location may be present in the “MoreInfo” attribute.

**Duplicates:** Some duplicates will be found in the layer. This is usually when information from different sources contains the same data, although it may be presented slightly differently.

**Format:** ESRI shapefile

**Co-ordinate systems:** British National Grid

## Version Control and Frequency

This layer is now updated every 4 months (i.e. in July, November and March). 185 data sets have been added to the TVERC Recorder 6 database since the last update of this GIS layer in July 2023 (see Appendix 1). There are now 956700 notable and protected species records for the two counties. This is an increase of 17771 on the July 2023 data release. The next scheduled release date is March 2024.

## GIS Layer Attributes

Attributes	Explanation
FID	Used by ArcGIS
Shape	Used by ArcGIS
RecOccKey	ID to assist TVERC in identifying individual records within the Recorder database
CommonName	Species common name
TaxonName	Species scientific name
Abundance	Abundance and or sex/stage information
RecDate	Date
RecYear	Year
GridRef	Grid Reference
GRQual	Grid reference qualifier - information on the precision of the grid reference.
Location	Location - where the species was recorded
MoreInfo	Further extra information about the location of the record
RecType	What sort of a record. Gives some information about how the record was acquired.
SurveyOrig	Where the data comes from. See the Appendix 4 below. This gives an indication of the kind of recorder, hence the probable reliability of the record.
StatusEuro	Flags up species covered by European Directives and provides the relevant directive. Applies to Protected and notable species layers only
StatusUK	Flags up species covered by UK law and provides the relevant law/laws. Applies to Protected and notable species layers only
StatusNERC	Flags up species covered by NERC section 41. These are priority species and supersede the UK BAP Priority 2007 species previously supplied. Applies to Protected and notable species layers only
StatusOth	Any other conservation designations. This covers UK and global red lists, UK scarce and rare, nationally notable, BOCC birds of conservation concern and Local BAP species. This update includes red listed fungi for the first time. Applies to Protected and notable species layers only
StatusINNS	The designation given to an INNS species in the 2015 INNS list produced by The Environment Agency. See Appendix 2 for details. Applies to INNS species layers only
Easting	Easting
Northing	Northing
SortOrder	This is a code provided by Recorder 6 which allows you to sort data into taxonomic order.
TaxonGroup	The broad taxon group the species belongs to, e.g. bird, moth or fungus
VersionDt	Date of production of GIS Layer
EntryDate	The date the record was entered into the TVERC database
Copyright	Information concerning the copyright to this product.

## Further Guidance

'A Guide to Natural Environment Data from TVERC' is available from your local authority contact or from TVERC. Information on species data can be found on the TVERC website: <http://www.tverc.org/cms/content/species> Information and guidance on protected species can be found on the Oxfordshire County Council website: <http://www.oxfordshire.gov.uk/cms/content/protected-species-and-planning>

Standing Advice for Protected Species from Natural England:

<http://www.naturalengland.org.uk/ourwork/planningdevelopment/spatialplanning/standingadvice/default.aspx> Advice on European Protected Species from Natural England: <http://www.naturalengland.org.uk/ourwork/regulation/wildlife/species/europeanprotectedspecies.aspx>

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# Appendix 1

## List of datasets added to the TVERC Recorder 6 Database for Berkshire and Oxfordshire since July 2023

Please Note: In addition to the data sets in the table below, 9186 records have been added to the TVERC database from the Berkshire and Oxfordshire Local Wildlife Site Projects.

Data Set Name	Area Covered	No. of Records
BBOWT R6 data exchange 16092022 TO 27072023	Berkshire, Oxfordshire	41824
Records from 2016 from John Campbell (R3 folder + extra bug records)	Oxfordshire	10308
Irecord 2022 verified records	Berkshire, Oxfordshire	9272
Wokingham Veteran Tree database & photos Jan 2014 version	Wokingham	6798
Oxfordshire LWS project records 2023	Oxfordshire	5603
National Trust Species records from NBN	Berkshire, Oxfordshire	5264
TVERC Sightings website download 08062022 to 09082023	Berkshire, Oxfordshire	4918
Les Finch Berkshire moth records Jan to June 2023	Berkshire	4410
2023 Berkshire LWS Project records	Berkshire	3687
British Bryological Society data upgrade (31-10-2022)	Berkshire, Oxfordshire	3639
Amphibian Reptile Conservation records	Berkshire, Oxfordshire	923
BNG Survey - Hatch Farm Dairy	Wokingham	685
ARK Riverfly data upgrade - August 2023	West Berkshire	678
Keep Nethercote Rural to July 2023 records	Cherwell	664
Decline in Lye Valley Fen 1989	Oxford	482
2023 Cherwell DWS surveys	Cherwell	448
Oxford City Sites Surveys 2023	Oxford	438
Environmental Statement (Biodiversity) for Fullamoor Quarry	South Oxfordshire	279
Survey of "The Triangle" in Kidlington	Cherwell	275
BNG Survey - Van Demans BNG Site	Wokingham	230
Marston Hamm Compensation Land Botanical Monitoring 2021 and 2022	Oxford	226
EIA Land at Hatch Farm, Mill Lane Sindlesham 2020	Wokingham	162
Ecological Impact Assessment, Land at Duck's Nest, Arborfield 2022	Wokingham	154
Ecological Assessment, Dix Pit 2016, Extended Phase I habitat surveys	West Oxfordshire	150
Ecological Assessment, Carmelite Priory, Boar's Hill	Vale of White Horse	142



Data Set Name	Area Covered	No. of Records
Ecological Appraisal, Land East of Warwick Road, Banbury	Cherwell	141
Sweep-net survey Pigeonhouse Wood 2021	Windsor and Maidenhead	141
Ecology and further otter report for Bridge Farm, Sutton Courtenay	Vale of White Horse	126
PEA & bat surveys, Ludwell Farm, Glympton	West Oxfordshire	124
Keep Kentwood Green records August-October 2023	Reading	123
EA and BNG Assesment of Carswell Golf Course, Faringdon	Vale of White Horse	117
Ecological Impact Assessment, Land West of Trowes Lane and North of Charlton Lane, Swallowfield 2023	Wokingham	110
EIA, Land South of Cutbush Lane	Wokingham	105
Gutteridge Wood LWS Survey 2023	South Oxfordshire	104
Hutchcomb's Copse Survey 2023	NA	104
Bat Surveys, Carmelite Priory, Boars Hill	Vale of White Horse	97
Three quadrats from Rich Fen Vegetation Survey 1971 for Lye Valley	Oxford	97
Whitecross Green Glow Worm Survey 2023	South Oxfordshire	92
Waterstock Mill, moth survey - Peter Alfrey	South Oxfordshire	89
EIA Proposed Crowthorne Care Home, Lower Wokingham Rd, Crowthorne	Wokingham	88
Ecological Assessment Land to the rear of The Hollies	West Berkshire	82
Swinford Farm Meadow LWS Survey 2023	Vale of White Horse	76
Quadrats of Park Farm (Arlington Drive) Field, Marston June 2023	Oxford	72
EIA Satwell House	South Oxfordshire	70
Phase II surveys of Sutton Wick	Vale of White Horse	69
Ecological appraisal, Land off Odiham Rd, Riseley (2016)	Wokingham	67
PEA, The Garden Cottage, Green Drive, Wokingham	Wokingham	66
EIA & protected species report, Tadpole Farm, Taynton	West Oxfordshire	65
Environmental Statement (Biodiversity) for Chinham Farm Extension	Vale of White Horse	65
Tackley Heath bat records and bird list	West Oxfordshire	63
Clarkson & Woods records 2022	Berkshire, Oxfordshire	61
Bird & bat records 2022 - David Archer Associates	Berkshire	59
PEA, Bat and GCN Surveys, Ashridge Manor, Wokingham	Wokingham	53
Lye Valley, Wanda Fojt 1991 report	Oxford	53
Bat survey report from Fullamoor Quarry	South Oxfordshire	48
Bat emergence surveys, 112 Brize Norton Rd, Minster Lovell	West Oxfordshire	47
PEA and Phase II bat surveys, Minster Cottage, Woodley	Wokingham	45
Phase 1 Survey Pine Platt, Finchampstead	Wokingham	45
Bat Surveys of The Hollies, Ruscombe	Wokingham	35
Phase I and bat surveys, Joyce Grove, Nettlebed	South Oxfordshire	35

Data Set Name	Area Covered	No. of Records
Ecological Survey, Arborfield Church	Wokingham	34
Bat Survey Report, Chastleton Glebe, Chastleton	West Oxfordshire	34
Reading Old Cemetery, Management Plan	Reading	34
EA, Land to rear at Hatch Farm, Mill Lane, Sindlesham 2018	Wokingham	33
Old rectory cottage, Finchampstead PEA 2023	Wokingham	30
PEA and bat surveys of South Ridge, Dell Road, Finchampstead	Wokingham	27
Bat surveys, Grayshott House, Bampton	West Oxfordshire	25
June 2023 TVERC Cognito form records	Berkshire, Oxfordshire	25
Bat Licence return - Danielle Linton (Wytham Woods)	Vale of White Horse	24
Lye Valley records from Francis Rose's field notebooks	Oxford	24
Glasspool Farm, Part Lane, Riseley - 2021 & 2022 PRAs & nocturnal surveys	Wokingham	23
Bat Survey Report, Matthewgreen Rd, Wokingham	Wokingham	21
Protected species report, Tadpole Farm, Taynton	West Oxfordshire	21
Bat Emergence and Re-entry survey Garage at Orchard House Crowthorne 2021	Wokingham	21
PRA & emergence surveys 354a Barkham Road, Wokingham	Wokingham	20
PRA and bat activity surveys 10, Holmemoor Drive, Sonning	Wokingham	19
Bat Survey Report, Old Rectory Cottage, Fleet Hill	Wokingham	19
Keep Kentwood Green records July 2023	Reading	19
WFG grape hyacinth Survey at Chadlington 2023	West Oxfordshire	18
Meadow Clary Surveys in W. Oxon - June 2023	West Oxfordshire	18
Bat Emergence and Re-entry survey Simonswood House Crowthorne 2022	Wokingham	18
Wallingford swift survey results 2023	South Oxfordshire	18
Bat survey, 6 Remenham hill, 2019	Wokingham	16
Reptile Survey, Land adj to Mohawk Way & Sandford Lane, Woodley	Wokingham	16
Riseley Farm Barn, Riseley - Bat Activity Survey	Wokingham	16
Bat activity survey report, Old School Yard, Charney Bassett	Vale of White Horse	16
Bat records Darwin Ecology 2021	Berkshire	15
PEA and Bat survey Foxdale, Finchampstead	Wokingham	15
Bat survey, Oakley Cottage, Hurst	Wokingham	15
PRA and emergence surveys, The Acres, Thames Street, Sonning	Wokingham	15
Bat Surveys (2015), 46 Robin Hood Lane, Winnersh	Wokingham	15
PRA and emergence_Re-entry Surveys, Faraway, Loddon Drive Wargrave	Wokingham	15
Bat Surveys, Music School, Radley College	Vale of White Horse	15
Bat roost survey, Sonning House, 2023	Wokingham	15
EIA Middle Culham Farmhouse, Henley-on-Thames	South Oxfordshire	14
47, Simons Lane, Wokingham: PRA and emergence surveys	Wokingham	14

Data Set Name	Area Covered	No. of Records
Bat emergence survey, Corndon, Holme Park Farm Lane, Sonning, 2023	Wokingham	14
Bat records (mainly) Stratfield Brake & The Triangle, Kidlington	Cherwell	14
Bat surveys, Wooben, Hollybush Ride, Finchampstead	Wokingham	13
PEA, The Bungalow, 22 The Greenway, Caulcott	Cherwell	13
PRA at Glasspool Farm, Part Lane, Riseley, eDNA plecotus auritus	Wokingham	13
Bat activity surveys, Neaps End, Sonning	Wokingham	13
Bat survey at 26 Pine Drive Finchampstead	Wokingham	13
Waterstock Mill video records mainly May & June 2023	South Oxfordshire	13
EIA, Micheli, Lower End, Alvescot	West Oxfordshire	12
Bat Survey, kitchen extension, Langley Mill, Ascott-U-Wychwood	West Oxfordshire	12
Bat survey, Queen Adelaide, Hare Hatch	Wokingham	12
PRA & GCN Habitat assessments, Rumah Saya, Southlands Rd, Wokingham	Wokingham	12
Eco appraisal & bat survey report, 5-6 Fox Steep Cottages, Cayton Park, Crazies Hill	Wokingham	12
EIA, Lilypads, Loddon Drive, Wargrave	Wokingham	12
Bat Activity Surveys, Heathfield, Heathlands Road, Wokingham	Wokingham	12
Bat emergence survey, Corndon, Holme Park Lane, Sonning	Wokingham	12
PRE and Emergence Survey Sunny Ridge Barkham 2023	Wokingham	12
PRA & bat survey, 9 Carlile Gardens, Twyford, 2020	Wokingham	11
Bat survey, Summer Place, Wargrave, 2019	Wokingham	11
Bat survey report at Ash House, Charvil	Wokingham	11
PRA and bat activity surveys, 8 Old Bath Road, Sonning	Wokingham	11
Swift Ecology records, 2022	Oxfordshire	10
PRA and Bat survey, Church view, Finchampstead	Wokingham	10
Bat Surveys, 17 Charvil House Road, Charvil	Wokingham	10
Bat Survey, Horseshoe Cottage, Sonning	Wokingham	10
Bat Emergence & Re-ntry Surveys, 10 Colemans Moor Rd, Woodley	Wokingham	9
Bat Survey Report, Colt House, Aston	Wokingham	9
Bat Licence records from Kathy Warden & Dave Endacott (to May 2023)	Oxfordshire	9
Consultant Bat records in Alkerton	Cherwell	9
GCN Habitat Assessment, Keepers Cottage, Mays Green	South Oxfordshire	8
Bat Surveys, Manor Farm, 1 Witney Road, Ducklington	West Oxfordshire	7
Dusk & Dawn Bat Survey Milton, Charvil RG10 9TN	Wokingham	7
PRA & Bat Surveys 248 Reading Road, 2022	Wokingham	7
April 2023 Cognito form records	Berkshire, Oxfordshire	7
Eco Appraisal and bat survey report, Fox Steep No. 4, Cayton Park, Crazies Hill	Wokingham	7

Data Set Name	Area Covered	No. of Records
PRA and emergence survey, Kelsta Li, Brookers Hill	Wokingham	7
Bat emergence survey, 299 Barkham Road, Wokingham	Wokingham	7
Bat emergence survey, 22 Oatlands Road, Shinfield	Wokingham	7
GCN records from pond in Brightwell Cum Sotwell	South Oxfordshire	6
Bat surveys, Sonning House, Pearson Road, Sonning	Wokingham	5
March 2023 Cognito form records	Berkshire, Oxfordshire	5
PRA, Holly Cottage, 3 Cricket Hill, Finchampstead	Wokingham	5
PRA, Woodlands, Wick Hill Lane, Finchampstead	Wokingham	5
PRA and emergence survey reports, 7 Briarwood, Finchampstead	Wokingham	5
Grass snake records from Marston Brook Meadow	Oxford	5
318 Nine Mile Ride Bat Roost Assessment 2021	Wokingham	4
Bat emergence and re-entry surveys, 188 Finchampstead Road, Wokingham	Wokingham	4
2023 Early purple orchid survey - Verge east of Tollbrook Corner	Cherwell	4
Barbara Payne's glow worm sightings summer 2023	Oxford	4
PRA Frinton, Basingstoke Road, Shinfield, 2021	Wokingham	3
PRA and GCN Walkover Surveys, Pine Cottages, The Ridges, Finchampstead	Wokingham	3
Stonehenge Farm pipeline GCN Survey	West Oxfordshire	3
Protected species report, Brasenose Cottage, Gt Rollright	West Oxfordshire	2
PRA, Heathmere, Heath Ride, Finchampstead	Wokingham	2
PRA, 41 Brook Street, Twyford	Wokingham	2
PRA 387 Wokingham Road 2022	Wokingham	2
PRA, Greenfinches, The Village, Finchampstead	Wokingham	2
PRA Broom House, Maidenhead Road, Wokingham	Wokingham	2
PRA, Rosedale, Crazies Hill	Wokingham	2
Phase 2 Bat survey, Waterloo Crossing Cottage, Wokingham	Wokingham	2
PRA Heathfield, Heathlands Road, Wokingham	Wokingham	2
Bat records (box checks) - Steve Bailey	Berkshire	2
Presence/absence bat report, Corndon, Sonning Lane, Sonning	Wokingham	2
Bat roost records - Sam Watson (Bioscan) 2022-2023	Oxfordshire	2
EPSL bat roost Ascot	Windsor and Maidenhead	2
Preliminary Bat Roost Assessment The Birches Finchampstead 2022	Wokingham	2
Bat Survey Report, 10 Ball Lane, Tackley	West Oxfordshire	1
Newt record from St Helen & St Katherine School, Abingdon	Vale of White Horse	1
Phase1 bat survey, Ness Cottage, Wargrave	Wokingham	1
Bat roost assessment, Lime Tree House, Gypsy Lane, Wokingham	Wokingham	1

Data Set Name	Area Covered	No. of Records
PRA 2019 256 Reading Road	Wokingham	1
Dead badger record, A40 Sunnymead, Oxford	Oxford	1
PEA (Bats), Mill Close, Woodley	Wokingham	1
An otter record, Blenheim	West Oxfordshire	1
PRA, 3 Bluebell Meadow, Wokingham	Wokingham	1
Sainfoin record for the Ridgeway. NGR=SU 29956 86172	Vale of White Horse	1
Stenocorus meridianus Little Wittenham 03/06/2023	South Oxfordshire	1
a grass snake in Reading	Reading	1
Bee orchid record from Chinnor	South Oxfordshire	1
Bat box record, Sibworth Park (nr Sibworth Gower)	Cherwell	1
peregrine on pylon	South Oxfordshire	1
Daylight bat survey Rosedene, Finchampstead	Wokingham	1
Ecological Assessment for Bats, Rosedale, Crazies Hill	Wokingham	1
Great Spotted Woodpecker in Witney	Oxford	1
Bullfinch record from High Cogges	West Oxfordshire	1
PRA 14 South Drive, Sonning, 2020	Wokingham	1
White badger, Burnham Road, Slough	Slough	1
Brown hairstreak record for "The Triangle" in Kidlington	Cherwell	1
Dormouse record from Gatehampton	South Oxfordshire	1

# Appendix 2

## Status Key. Produced July 2018 by Thames Valley Environmental Records Centre

### EUROPEAN DIRECTIVES

**BirdsDir-A1:** Species listed on Annex 1 of EC Directive 79/409/EEC on the Conservation of Wild Birds. This covers birds which are the subject of special conservation measures concerning their habitat in order to ensure their survival and reproduction in their area of distribution.

**HabDir-A2, HabDir-A2np, HabDir-A4 & HabDir-A5:** Annex 2 and Annexes 4/5 respectively of the EC Habitats Directive. This is the Council Directive 92/43/EEC on the Conservation of natural habitats and of wild fauna and flora. The abbreviations have the following meanings:

Directive	Meaning
HabDir-A2	Species which are endangered, the conservation of which the Community has a particular responsibility in view of the proportion of their natural range which falls within the territory of the Community. They require the designation of special areas of conservation.
HabDir-A2np	Animal and plant species of Community interest (i.e. endangered, vulnerable, rare or endemic in the European Community) whose conservation requires the designation of special areas of conservation. Note that the contents of this annex have been updated in April 2003 following the Treaty of Accession.
HabDir-A4	Animal and plant species of Community interest (i.e. endangered, vulnerable, rare or endemic in the European Community) in need of strict protection. They are protected from killing, disturbance or the destruction of them or their habitat. Note that the contents of this annex have been updated in April 2003 following the Treaty of Accession.
HabDir-A5	Animal and plant species of Community interest whose taking in the wild and exploitation may be subject to management measures.

### UK LEGISLATION: CONSERVATION OF HABITATS AND SPECIES REGULATIONS 2010

**HabReg-Sch2, HabReg-Sch4 and HabReg-Sch5:** This legislation translates the European Habitats Directive (see above) into UK law where species are listed in Schedule 2 (priority & non-priority), Schedule 4 and Schedule 5.

### UK LEGISLATION: WILDLIFE AND COUNTRYSIDE ACT 1981

**Schedule 1 Wild Birds:** This prohibits the intentional killing, injuring or taking of any wild bird and the taking, damaging or destroying of the nest (whilst being built or in use) or eggs. It prohibits possession of wild birds (dead or alive) or their eggs. In addition:

**WACA-Sch1-p1** – There are additional penalties for offences relating to birds on this schedule and it is also an offence to disturb such birds at the nest or with dependent young. **WACA-Sch1-p2** – Covers the protection of birds which may be killed during the open season.

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

### Schedule 5 Wild Animals:

Schedule	Meaning
WACA-Sch5-s9.1	Covers intentionally killing, injuring or taking any wild animal included in Schedule 5
WACA-Sch5-s9.1k	Covers animals which are protected from intentional killing or injuring.
WACA-Sch5-s9.1t	Covers animals which are protected from taking.
WACA-Sch5-s9.2	Covers animals which are protected from being possessed or controlled (live or dead).
WACA-Sch5-s9.4a	Covers intentionally or recklessly disturbing of any wild animal included in Schedule 5. Also includes animals which are protected from intentional damage or destruction to any structure or place used for shelter or protection.
WACA-Sch5-s9.4b	Covers animals which are protected from intentional disturbance while occupying a structure or place used for shelter or protection.
WACA-Sch5-s9.4c	Covers animals which are protected from their access to any structure or place which they use for shelter or protection being obstructed.
WACA-Sch5-s9.5a	Covers animals which are protected from being sold, offered for sale or being held or transported for sale either live or dead, whole or part.
WACA-Sch5-s9.5b	Covers animals which are protected from being published or advertised as being for sale.

### Schedule 8 Wild Plants:

**WACA-Sch8:** Covers plants which are protected from intentional picking, uprooting or destruction (Section 13 1a); selling, offering for sale, possessing or transporting for the purpose of sale (live or dead, part or derivative) (Section 13 2a); advertising (any of these) for buying or selling (Section 13 2b).

## PRIORITY NERC S.41 2006

**NERC-S41 Species:** “of principal importance for the purpose of conserving biodiversity” covered under section 41 (England) of the NERC Act (2006) and therefore need to be taken into consideration by a public body when performing any of its functions with a view to conserving biodiversity.

## OTHER DESIGNATIONS: RED LISTS

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

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

**England Red List Species (tagged RL-Eng)** – Species included in England red lists. Out of the categories below, only CR, EN, VU, NT, DD and RE are used in the context of this Red List

With all red lists, the date of the list used does not indicate when the species was designated, but which set of rules for designation were used. Due to the time required to produce a new red list for a species group, the rules used will often be much older than the date of the list. Abbreviations used are as follows:

Abbreviations	Meaning
<b>EX</b>	Extinct A taxon is Extinct when there is no reasonable doubt that the last individual has died.
<b>EW</b>	Extinct in the Wild. Species known to survive only in cultivation, in captivity or as a naturalised population(s) well outside the past range.
<b>CR</b>	Critically Endangered (CR) Species facing an extremely high risk of extinction in the wild in the immediate future.
<b>EN</b>	Endangered: Species that are not Critically Endangered but is facing a very high risk of extinction in the wild in the near future.
<b>VU</b>	Vulnerable: A species is Vulnerable when it is not Critically Endangered or Endangered but is facing a high risk of extinction in the wild in the medium-term future
<b>NT</b>	Near Threatened – A taxon considered likely to become endangered in the near future.
<b>NR</b>	Taxa with small populations that are not at present Endangered or Vulnerable, but are at risk
<b>LR(cd)</b>	Lower risk (conservation dependent)
<b>DD</b>	Data deficient – A taxon with insufficient data to make an assessment of its risk of extinction.
<b>RE</b>	Regionally Extinct – Taxa that are considered extinct within the region but populations exist elsewhere in the world.
<b>R</b>	Taxa with small populations that are not at present Endangered or Vulnerable, but are at risk.
<b>Inde</b>	indeterminate – based on a pre 1994 category: Taxa which are known to be Endangered, Vulnerable or Rare but with insufficient data to place them in one of the categories.
<b>Insu</b>	Insufficiently known - based on a pre 1994 category which equates to data deficient.
<b>Thre</b>	Taxa which are not known to occur naturally outside Britain. Taxa within this category may also be in any of the other RDB categories or not threatened at all.

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



## OTHER DESIGNATIONS: NATIONALLY NOTABLE SPECIES

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

Designation	Meaning
<b>Nationally Notable A</b> (Tagged <b>Notable-A</b> )	Taxa which occur in <30 10 km (hectad) squares or for less well recorded groups within <7 vice counties.
<b>Nationally Notable B</b> (Tagged <b>Notable-B</b> )	Taxa which don't fall within IUCN categories but are uncommon in Britain and occur in 31-100 10 km sq/ or for less or for less well recorded groups between 8 and 20 vice counties
<b>Notable</b> (Tagged <b>Notable</b> )	Taxa known to be scarce (occurring in between 16 and 100 10km squares) but for which there is insufficient information to assign them to the above categories.

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

## OTHER DESIGNATIONS: NATIONALLY RARE OR SCARCE SPECIES

This designation covers species that are recognised to occur in only a few locations in Britain. Note species reported in this section may also appear on red lists.

Designation	Meaning
<b>Rare</b> (tagged as <b>Status-NR</b> )	occurring in 15 or fewer hectads (10 km squares) in the UK
<b>Scarce</b> (tagged as <b>Status-NS</b> )	occurring in 16 – 100 hectads in the UK.

## OTHER DESIGNATIONS: BIRDS OF CONSERVATION CONCERN

These lists were drawn up by leading governmental and non-governmental conservation organizations including the RSPB and British Trust for Ornithology. The version we report on is still version 3 published in May 2009.

Designation	Meaning
<b>Red List</b> (tagged <b>Bird-Red</b> )	species are those that are globally threatened, whose population or range has declined rapidly in recent years (i.e. by more than 50% in 25 years), or which have declined historically and not recovered.
*Amber List (tagged <b>Bird-Amber**</b> )	Amber list species are those whose population or range has declined moderately in recent years (by more than 25% but less than 50% in 25 years), those whose population has declined historically but recovered recently, rare breeders (fewer than 300 pairs), those with internationally important populations in the UK, those with localised populations, and those with an unfavourable conservation status in Europe.

## RED LIST FUNGI

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

Designation	Meaning
<b>Fungi Red-CR</b>	Critically Endangered
<b>Fungi Red-EN</b>	Endangered
<b>Fungi Red-NT</b>	Near Threatened
<b>Fungi Red-VU</b>	Vulnerable

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

## OTHER DESIGNATIONS: OXFORDSHIRE SCARCE & RARE PLANTS

A rare plant register for Oxfordshire was published under the title Oxfordshire's Threatened Plants (Pices Publications, June 2018). This 15 year study produced a list of rare and scarce plants for the county. TVERC is now including Oxfordshire records of these species in its Protected & Notable Species GIS layers. The definitions of rare and scarce are as follows:

Designation	Meaning
<b>Oxon-Rare</b>	Any species found in 1-3 Oxfordshire tetrads (2km x 2km square) over the duration of the data collection phase of the study (2000 – 2010 inclusive)
<b>Oxon-Scarce</b>	Any species found in 4 – 10 Oxfordshire tetrads over the data collection phase of the study.

## OTHER DESIGNATIONS: LOCAL BAP SPECIES

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

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

## INVASIVE NON-NATIVE SPECIES

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

Designation	Meaning
<b>Priority Species</b>	Species affecting EA interests the most
<b>Rapid Response Species</b>	Very invasive species that are not yet established.

# Appendix 3

## Statement Regarding Data Coverage and data restrictions

For a variety of reasons, TVERC does not hold all existing biodiversity records for Berkshire & Oxfordshire. Such **absence of records should not be taken as confirmation of the absence of a species in the area**. TVERC is constantly striving to improve data coverage; we hold data on all species groups, and annually we add over 400,000 records to our database of over 4 million records. TVERC holds data on all species groups. However, we suggest that you **contact the following local recording groups** who may hold extra records that we do not have in our database, or that we do not have permission to share with full location information.

### BIRD RECORDS FOR BERKSHIRE

TVERC has a data exchange agreement with the Berkshire Ornithological Club which enables us to provide ornithological data held by the Berkshire Ornithological Club for most species. However, we **cannot supply records for the species below** within the breeding season (April to September inclusive). If you require this information, please contact the Berkshire Ornithological Club (Richard Burness, [records@berksoc.org.uk](mailto:records@berksoc.org.uk)). As there may be a time lag between data recording and upload to the TVERC database, it may be advisable to contact the Berkshire Ornithological Club at the email address above for the most recent records.

#### CONFIDENTIAL SPECIES

Bittern  
Little egret  
Black redstart  
Gadwall  
Red-crested pochard  
Marsh harrier  
Hen harrier  
Montagu's harrier  
Goshawk  
Hobby  
Peregrine falcon  
Quail  
Corncrake  
Oystercatcher  
Stone-curlew  
Little ringed plover  
Eurasian curlew  
Black-tailed godwit  
Barn owl  
Long-eared owl

Short-eared owl  
Kingfisher  
Nightjar  
Wryneck  
Woodlark  
Cetti's warbler  
Marsh warbler  
Wood Warbler  
Dartford warbler  
Firecrest  
Bearded tit

**Additional resources** are available to aid interpretation of the data. For example - *The Birds of Berkshire*, Bucknell, Clews, Righelato and Robinson 2nd edition 2013 (also on-line at <http://berksoc.org.uk/county-atlas/the-book/>) and *The Thames and Chilterns Bird Atlas* (<http://thamesandchilternbirdatlas.org.uk/>). Nationally published data and analysis of conservation status include - Birds of Conservation Concern 4 - *British Birds* 108 708-746 and the annually published "The State of the UK's Birds" available on the BTO and RSPB websites. In assessing sites, the local atlas projects referred to above identify areas of high avian biodiversity by reference to OS National Grid tetrads.

## BIRD RECORDS FOR OXFORDSHIRE

The majority of bird records in Oxfordshire, except those in the north of the county, have been provided by the Oxfordshire Ornithological Society (OOS). Please note that:

- a. **Not all species are subject to the same degree of recording;** the absence of records of a species in a given geographical area does not necessarily indicate absence of that species.
- b. **Not all parts of the county are subject to the same degree of recording;** the absence of records for a given area does not necessarily indicate the absence of bird species.
- c. **Records of species regarded as sensitive** have been provided with reduced information about location.

Any requests for more precise information about the location of such "confidential" sites should be addressed directly to OOS ([www.oos.org.uk](http://www.oos.org.uk)) You can use the following email contacts:

[chairman@oos.org.uk](mailto:chairman@oos.org.uk) (the chairman) and [ian@recorder.fsnet.co.uk](mailto:ian@recorder.fsnet.co.uk) (the county bird recorder).

For bird information in **North Oxfordshire** (SP32-52, SP33-53, SP34-54, SP45) contact:  
Banbury Ornithological Society

Mike Curnow, Bird Recorder and Data Manager

Email: [bosdata@outlook.com](mailto:bosdata@outlook.com) Website: <http://www.banburyornithologicalsociety.org.uk>

## BAT RECORDS FOR BERKSHIRE (BERKS & S. BUCKS BAT GROUP - SURVEY ORIGIN = BSBBG)

TVERC has agreed an exchange of data with BSBBG that enables us to provide records belonging to them with the **grid reference given to 1 km precision**. Such records are indicated by the term “refer to BSBBG for full details” in the location column and BSBBG in the data origin column of the species table. Enquirers are recommended to contact the BSBBG direct to obtain further information. Please note that the BSBBG provides TVERC with an annual update of their records, so they may hold records for your search area that TVERC does not yet have access to.

### The Berkshire and South Buckinghamshire Bat Group

Email: [records@berksbats.org.uk](mailto:records@berksbats.org.uk)

Data searches may be submitted via their website: [www.berksbats.org.uk](http://www.berksbats.org.uk)

## BAT RECORDS FOR OXFORDSHIRE (OXFORDSHIRE BAT GROUP - SURVEY ORIGIN = OBG)

TVERC has agreed an exchange of data with Oxfordshire Bat Group (OBG) which enables us to provide records belonging to them with the **grid reference given to 1 km precision**. Such records are indicated by the term “Confidential, refer to OBG for further details” in the location column and OBG in the data origin column of the species table. Enquirers are recommended to contact OBG for further information:

David Endacott  
27 Hedge Hill Road  
East Challow  
Wantage  
Oxon  
OX12 9SD  
[davidendacott@hotmail.com](mailto:davidendacott@hotmail.com)

## BADGER RECORDS FOR BERKSHIRE (BINFIELD BADGER GROUP - SURVEY ORIGIN = BBG)

TVERC has agreed an exchange of data with Binfield Badger Group which enables us to provide records belonging to them with the **grid reference given to 1 km precision**. Such records are indicated by the term “refer to BBG for full details” in the location column and BBG in the data origin column of the species table. Enquirers are recommended to contact the Binfield Badger Group direct to obtain further information. Please note that the BBG provides TVERC with an annual update of their records, so they may hold records for your search area that TVERC does not yet have access to. It should be noted that:

- (a) Absence of data does not imply that there is no badger activity.

- (b) There is a need for a suitably qualified person to carry out a survey, or resurvey just prior to any work commencing as badgers can move into an area that previously had no activity.

Requests for information from Binfield Badger Group can be submitted to:

**Binfield Badger Group** PO Box 3805  
Binfield  
Berks  
RG42 1HH  
Email: [badgers@binfieldbadgers.org.uk](mailto:badgers@binfieldbadgers.org.uk)

## BADGER RECORDS FOR OXFORDSHIRE (OXFORDSHIRE BADGER GROUP - SURVEY ORIGIN = OBadG)

TVERC has agreed an exchange of data with the Oxfordshire Badger Group (OBadG) which enables us to provide records belonging to them with the **grid reference given to 1 km precision**. Such records are indicated by the term “Confidential, refer to OBadG for further details” in the location column and OBadG in the data origin column of the species table. Enquirers are recommended to contact the group for further information.

For sett records: [settrecords.oxonbadgergroup@gmail.com](mailto:settrecords.oxonbadgergroup@gmail.com)

For road traffic accident records: [rtas.oxonbadgergroup@gmail.com](mailto:rtas.oxonbadgergroup@gmail.com)

## WILDLIFE TRUST WATER VOLE RECORDS (SURVEY ORIGIN = BBOWT)

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

## SHOTOVER WILDLIFE RECORDS

Please note that TVERC does not hold records for the Shotover area that belong to Shotover Wildlife. Should you require access to these records, please contact the group directly: Ivan Wright.

Email: [irwright@shotover-wildlife.org.uk](mailto:irwright@shotover-wildlife.org.uk)

# Appendix 4

## Survey Origin Key (November 2023)

Survey Origin Abbreviation	Survey Origin Details
ABFG	Association of British Fungus Groups
AC	Academic Researcher
AEG	Astons Environment Group
AN	Abingdon Natural History Society
ANHSO	Ashmolean Natural History Society
ARC	Amphibian and Reptile Conservation
ARGUK	UK Amphibian & Reptile Groups
ARK	Action for the River Kennet
ASG	Anthomyiidae Study Group
BAT	Bat Licence Returns
BBG	Binfield Badger Group
BBOWT	Berkshire, Buckinghamshire and Oxfordshire Wildlife Trust
BBS	British Bryological Society
BC	Butterfly Conservation
BCT	Bat Conservation Trust
BCYS	Berkshire Churchyards Surveys
BDS	British Dragonfly Society
BENHS	British Entomological Natural History Society
BFC	Bracknell Forest Council
BFVT	Bracknell Forest Veteran Tree Survey
BGG	Bicester Green Gym
BIG	Berkshire Invertebrate Group
BLS	British Lichen Society
BLWS	Berkshire Local Wildlife Sites Project
BMERC	Bucks & Milton Keynes Environmental Record Centre
BMG	Berkshire Mammal Group
BNG	Benson Nature Group
BOC	Berkshire Bird Clubs
BOS	Banbury Ornithological Society
BRAG	Berkshire Reptile & Amphibian Group
BRC	Biological Record Centre
BSBBG	Berkshire & South Bucks Bat Group
BSBI	Botanical Society of the British Isles
BTC	Banbury Town Council

Survey Origin Abbreviation	Survey Origin Details
BTO	British Trust for Ornithology
BUWG	Bracknell Urban Wildlife Group
BWARS	Bees, Wasps & Ants Recording Society
BWG	Besselsleigh Wood Group
CalRS	National Calliphoridae Recording Scheme
CBT	Childe Beale Trust
CDC	Cherwell District Council
CFGA	Caring for God's Acre
CLPS	City of London Piscatorial Society
COS	County Ornithological Services
CPRE	Campaign to Protect Rural England
CRPG	Cotswold Rare Plant Group
CSP	Cherwell Swift Project
CWAS	Chinnor Works Angling Society
EA	Environment Agency (formally the National Rivers Authority)
EC	Professional Ecological Consultant
ESB	Earthworm Society of Britain
ESG	Eynsham Swift Group
ET	The Earth Trust (formally the Northmoor Trust)
FFF	Friends of Faringdon Folly
FHT	Freshwater Habitat Trust
FLC	Friends of Longcot Churchyard
FoLV	Friends of the Lye Valley
FORW	Friends of Ruscombe Wood
FOSB	Friends of Stratfield Brake
FOSMF	Friends of St Mary's Fields, Kidlington
FOTEM	Friends of the Emm Brook
FOTTG	Friends of the Trap Grounds
FOTuM	Friends of Tuckmill Meadows
FOWCP	Friends of Wargrave Chalk Pit
FROG	Froglife
FSC	Field Studies Council
FSO	Fungus Survey of Oxfordshire
FWAG	Farm and Wildlife Advisory Group
GBRS	Ground Beetle Recording Scheme
GCER	Gloucestershire Centre for Environmental Records
GCN	Great Crested Newt Licence Returns



Survey Origin Abbreviation	Survey Origin Details
HA	Highways Agency
HMWG	Hamstead Marsahll Wildlife Group
HPB	High Park Blenheim Surveys 2017- 2021
HS2	HS2 Project
HWMT	Hurst Water Meadow Trust
ICL	Imperial College London
INat	INaturalist
IOSF	International Otter Survival Fund
IREC	I Record
JDA	Jo Dunn Archive
KKG	Keep Kentwood Green
KNR	Keep Nethercote Rural
LBP	Letcombe Brook Project
LBRS	Longhorn Beetle Recording Scheme
LMG	Long Mead LWS Group
LN	Local/national expert (known to TVERC)
LNEC	Local Naturalist OR Ecological Consultant
LR	Living Records
LWT	Lavell's Wetland Trust
LWVP	Lower Windrush Valley Project
MGLG	Moor Green Lakes Group
MOD	Ministry of Defence
MOP	Member of the Public
MS	Mammal Society
NCRS	National (Trichoptera) Caddisfly Recording Scheme
NDCC	Nettlebed & District Commons Conservators
NDD	National Dormouse Database
NDOC	Newbury District Ornithological Club
NE	Natural England (English nature, NCC)
NFC	Newbury Field Club
NHM	Natural History Museum (London)
NNSS	Non-native Species Secretariat
NORS	National Orthoptera Recording Scheme
NPD	National Ponds Database
NPMS	National Plant Monitoring Scheme (Contains data supplied by Natural Environment Research Council)
NRG	Newbury Ringing Group
NSP	NatureSpace Partnership

Survey Origin Abbreviation	Survey Origin Details
NT	National Trust
OBadG	Oxfordshire Badger Group
OBG	Oxfordshire Bat Group
OBRC	Oxfordshire Biological Record Centre
OBU	Oxford Brookes University
OCC	Oxfordshire County Council
OCYS	Oxfordshire Churchyard Survey
OFG	Oxfordshire Flora Group
OLWS	Oxfordshire Local Wildlife Sites Project
OMG	Oxfordshire Mossing Group
OOS	Oxfordshire Ornithological Society
ORAG	Oxfordshire Reptile and Amphibian Group
ORS	Opilliones Recording Scheme
OS	Otter Spotter Project
OSC	Oxford Swift City Project
OUNHM	Oxford University Natural History Museum
OUWG	Oxford Urban Wildlife Group
OWAC	Old Windsor Angling Club
OX	Oxford City Council
OxMG	Oxfordshire Mammal Group
OxUni	University of Oxford
PL	Plantlife
PT	Plant Tracker
PTES	People's Trust for Endangered Species
RBC	Reading Borough Council
RBWM	Royal Borough of Windsor and Maidenhead
RDNHS	Reading & District Natural History Society
RF	Richard Frankum
RI	Rothamsted Institute
RIS	Rothamsted Insect Survey
RLab	The Road Lab
RM	Reading Museum
RP	Record Pool
RRS	Riverfly Recording Scheme
RSPB	Royal Society for the Protection of Birds
RTCT	River Thames Conservation Trust
RUWG	Reading Urban Wildlife Group

Survey Origin Abbreviation	Survey Origin Details
RWP	Reading Woodland Plan
SARS	Soldierflies and Allies Recording Scheme
ScRS	Scarabaeoidea Recording Scheme
SepRS	Sepsidae Recording Scheme
SibFO	Sibthorp Flora Oxoniensis
SO	Science Oxford
SODC	South Oxfordshire District Council
SSWG	South Stoke Wildlife Group
STC	Salmon & Trout Conservation
SW	Shotover Wildlife
TCV	The Conservation Volunteers
TVERC	Thames Valley Environmental Record Centre
TVFG	Thames Valley Fungus Group
TW	Thames Water
U	Unknown
UKCADRS	UK Caddis Recording Scheme
UKWOT	UK Wild Otter Trust
VC22Moths	VC 22 Moth Recording Scheme
VC23Moths	VC 23 Moth Recording Scheme
VCH	Victoria County History (historical records)
VWH	Vale of White Horse District Council
VWT	Vincent Wildlife Trust
WB	West Berkshire Council
WBBRS	Weevil & Bark beetle Recording Scheme
WBC	Wokingham Borough Council
WBG	Worton Bird Group
WCOOK	Wild Cookham
WDVTA	Wokingham District Veteran Tree Association
WE	Wytham Estate
WEG	Watlington Environment Group
WFG	Wychwood Flora Group
WIA	Wildlife in Ascot Group
WILDCRU	Wildlife Conservation Research Unit (Oxford Uni)
WLPG	Wheatley Local Plan Group
WM	Wild Maidenhead
WMUWG	Windsor & Maidenhead Urban Wildlife Group
WODC	West Oxfordshire District Council

Survey Origin Abbreviation	Survey Origin Details
WOFBS	West Oxfordshire Farmland Bird Survey
WOx	Wild Oxford Project (BBOWT)
WOXON	Wild Oxfordshire
WS	Wytham Survey
WT	Woodland Trust
WWRG	Wytham Woods Recorders Group
WWT	Wildfowl & Wetlands Trust
WyP	Wychwood Project
YE	Dick Greenaway for the Yattendon Estate