

Report Number 520

Thames & Chilterns: Parkland and wood pastures with veteran trees Phase I - A Provisional Inventory 2002/3 English Nature Research Reports



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Thames & Chilterns: Parkland and wood pastures with veteran trees Phase I – A provisional inventory 2002/03

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Summary

This document reports on the first phase of an assessment of the veteran tree resource of Berkshire, Buckinghamshire and Oxfordshire, and is a contribution to the *Wood Pasture and Parkland habitat action plan* of the UK Biodiversity Action Plan.

A desk study has drawn on information derived from OS map sheets, historical and biological data sources, and from professionals with local knowledge, to identify wood-pasture and parkland habitats of importance, or potential importance, for veteran trees.

The aim of the study was to provide baseline information that can be used to develop a prioritised programme of site survey and assessment, to identify the extent of the veteran tree interest of the three counties, in terms of biological interests, and to promote their conservation.

The results demonstrate the current poor knowledge of the veteran tree resource in the three counties. Out of a total of 423 sites identified with actual or potential interest for veteran trees, 155 (37%) could only be identified as having possible interest, and a further 26 (6%) as of probable interest. 53 sites have been identified as having 20 or more veteran trees and 93 with at least small numbers of veteran trees. A small number have been rejected from further consideration as being unlikely to have veteran trees.

It is recommended that the sites with confirmed veteran tree interest are all designated as county wildlife or heritage sites, to provide some protection, and that these be the subject of specialist biological surveys as soon as this can be arranged. The "possible" and "probable" categories are the priority sites for baseline survey to ascertain the presence of veteran trees.

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1. Introduction

1.1 Background

The Habitat Action Plan (HAP) for Wood-pasture and Parkland was produced by the UK Biodiversity Group in 1998. It details the current known status of the habitat type, identifies the targets for conservation, and lists the actions needed to achieve these targets. These targets include:

- protect and maintain the current extent and distribution of lowland woodpasture and parkland in a favourable condition;
- initiate a restoration programme in areas where examples of derelict woodpasture or parkland occur, aiming to restore 2 500ha to a favourable ecological condition by 2010;
- by 2002 initiate the expansion of 500ha of wood-pasture or parkland, in appropriate areas, to help reverse fragmentation and reduce the generation gap between trees;
- produce a comprehensive list of all parkland and wood-pasture sites;
- undertake a programme of targeted surveys of the biological interest of sites where lack of information is impeding their appropriate management.

The UK Biodiversity Action Plan (DETR, 1994) has also stressed that a lot of this action can only take place at the local level and therefore advocates the production of Local Biodiversity Action Plans (LBAPs) to carry forward the national action plans. LBAPs for Berkshire, Buckinghamshire and Oxfordshire all contain objectives to maximise the wildlife potential of woodlands by promoting veteran trees.

The veteran status of trees is associated with biological over-maturity. However, trees of different species approach over-maturity at different ages. Although there is no precise definition of veteran status for the purposes of fieldwork, knowledge of species longevity, size typically associated with old age and local conditions affecting tree growth contributes to the recognition of veteran trees in the field. Their special quality in the landscape is reflected in the view that these trees are of interest biologically, aesthetically, or culturally because of their age (Veteran Tree Initiative, 1997)

1.2 The Thames & Chilterns Parkland & Wood-Pasture Survey

The Thames & Chilterns Parkland & Wood-Pasture Survey is to be carried out in two phases. Phase 1 is an initial desk-based study of wood-pasture and parkland sites with veteran trees, the results of which are presented in this current report. It includes recommendations for a prioritised programme of field survey to be carried out as Phase 2.

1.2.1 Overall aims

The aims of the survey are to contribute to the Wood Pasture and Parkland habitat action plan through:

- assessing the veteran tree resource within parklands, commons and lowland wood-pasture of Berkshire, Buckinghamshire and Oxfordshire in order to identify important wood-pasture and parkland habitats;
- protecting important parklands from development through notification as Wildlife Heritage Sites/ Local Alert Map sites/SINCs;
- providing information to help inform the targeting of Woodland Grant Schemes, and agri-environment schemes such as Countryside Stewardship, and assist in determining which management prescriptions are needed;
- providing management suggestions to landowners and site managers;
- ensuring that veteran tree resources are taken account of and incorporated into County Biodiversity Action Plans (BAPs) and Community Strategies;
- determining prime areas for targeting restoration schemes;
- providing information to steer future invertebrate and fungi survey work.

The study is not intended to look in detail at any designated Sites of Special Scientific Interest, although these are included in the first stage desk study for the sake of completion of the inventories. In some cases these sites will have been designated for interests that do not relate to veteran trees, and even where so designated, the biological interests associated with those veterans may not be well documented.

2. The desk study

2.1 Methodology

Phase 1 has involved:

- a desk based study to draw up a list of parklands, commons and wood pastures containing veteran trees in Berkshire, Buckinghamshire and Oxfordshire;
- the design and population of an Excel spreadsheet to hold the information from the desk study;
- a partial field reconnaissance to look at those sites for which the desk based study provides insufficient information to enable their likely importance for veteran trees to be assessed, in order to help identify which sites will go forward to phase 2 for field survey.

Reid & Wilson (1995) carried out a pilot study for an inventory of parklands as a component of the data gathering phase of the "Veteran Trees Project". Their study focused on Norfolk and Bedfordshire. The approach has been developed further in Staffordshire (Webb & Bowler, 2001). These reports have been used to inform the current work

Possible sites were identified on Ordnance Survey maps – see 2.2.1, below. These were individually coded and marked onto base maps. Data sheets were compiled for each identified site, linking map evidence with wildlife and historic sources of evidence for veteran trees in parkland and other old wood pasture situations, together with the knowledge of local experts.

2.2 Sources of information

2.2.1 Ordnance survey maps

The modern 1: 50 000 and 1: 25 000 Series of Ordnance Survey maps were the starting point for the Thames & Chilterns inventory. The relevant sheets were examined for:

- evidence of parkland named parks or park associated names and/or parkland symbols or scattered tree symbols within park-like enclosures (the former on 1:50 000 maps, the latter on 1: 25 000 ones);
- wooded commons as these are likely to contain veteran trees.

2.2.2 Wildlife sources

2.2.2.1 Mature timber habitat

The Nature Conservancy Council commissioned research from the Institute of Terrestrial Ecology in 1975/76 to compile an inventory of extant pasture-woodlands (Harding, 1978). The difficulties of definition on the ground – mainly because the relics of the original wood pasture system have been so modified and there is considerable overlap with other woodland management types - led to a broad view being taken, with the result that the inventory included many former coppice woods. Many of the sites were included because of their known interest for invertebrates associated with mature timber.

The inventory only listed three sites in Berkshire, six in Buckinghamshire, and eight in Oxfordshire.

The identified sites were allocated a series of asterisks in an attempt to give some measure of importance or conservation priority:

***** Internationally important areas containing what are believed to be the best examples of the habitat, and the associated fauna, in western Europe. Many rare invertebrates are recorded and several species occur in Britain only at one or both of the two areas in this group.

**** Nationally important areas with very good examples of the habitat in smaller areas than the preceding group. Many nationally rare invertebrates occur in these areas, but few, if any, species occur **only** in them.

*** Regionally important areas. Good examples of the habitat in restricted areas. Known to have nationally rare species of invertebrates recorded from them. ** Potentially important areas for which no, or very few, records of invertebrates, are available. Includes areas which are known from survey to be structurally suitable, with good examples of the habitat, but for which no invertebrate records are known.

* Potentially important areas, mostly believed to contain good examples of the habitat, for which no invertebrate records are available and which, in most cases, have not been surveyed.

No asterisk: Areas of possible importance which, in most cases have not been surveyed and for which no invertebrate records exist.

These priority categories have been included in the spreadsheet for the relevant sites.

2.2.2.2 Lichen surveys

Bowen (1988) summarises the lichenological interest of about 270 sites in Berks, Bucks and Oxon. This includes data on sites with the rarer bark lichens and grades them as follows:

- A++ very rich site, of importance outside the three counties;
- A+ rich site, important in the region consisting of the three counties;
- A good site, of county importance;
- B fair site;
- C poor site, only common species present.

Bowen states that the report "makes no claim to completeness".

These gradings have been included in the spreadsheet for the relevant sites.

Sites graded A or above are considered to be confirmed veteran tree sites in this project.

Supplementary information on the lichen flora of the three counties is to be found in Bowen (1980) and has also been taken into account, together with a limited amount of other lichen survey data held by BBOWT and Buckinghamshire Biological Records Centre.

Fletcher *et al* (1982) provides an overview of all lichen sites of importance to nature conservation in Britain but only lists one site which lies within the three counties: Wychwood Forest & Cornbury Park, and assesses it as Grade 4, ie of Regional Importance. They define "region" as "a context greater than county but less than national". The more recent revision (Fletcher, 1993) adds Burnham Beeches at Grade 5, ie of county importance.

2.2.2.3 Berkshire Parklands Survey

This report (Grove, 1988) was a follow-up to Bowen's (1988) report detailing assessments of the lichenological interest of sites in Berkshire, Buckinghamshire and Oxfordshire. Only 20 sites were selected for survey, chosen on the basis of:

- known lichenological interest;
- known historic interest (the older the better);
- known entomological interest;
- size (the larger the better);
- ease of access.

Entomological interest was based on Harding's (1978) "The invertebrate fauna of the mature timber habitat". Of the three parks listed, Windsor was judged to be sufficiently well recorded not to merit further work, access was not granted to Hamstead Marshall, but the third, Englefield Park was included in the new fieldwork carried out. Access was also refused to Ascot Park, which otherwise would have been included.

Twelve sites were visited once only, sufficient to make a preliminary assessment of the potential for wildlife. Five were subsequently revisited on 1 or 2 occasions, while three were selected for more intensive study: Aldermaston Court, Englefield Park and Wasing Park. Basic vegetation mapping was carried out for all 20 sites, plus a subjective assessment of the tree habitat for saproxylic invertebrates. Sites were assessed along similar lines to that adopted by Bowen (1988), although based primarily on the saproxylic invertebrate fauna detected during sampling.

2.2.2.4 Biological Survey of Common Land (Aichison & Ashby 2000; 2000a)

The Biological Survey of Common Land began in November 1987, based in the Rural Surveys Research Unit (RSRU) at the University College of Wales, Aberystwyth, and funded by the Nature Conservancy Council (NCC).

The principal aims of the project were to produce, for each county in England and Wales:

- maps of all common land over 1ha in size, showing boundaries of statutory designations, where applicable, together with broad based vegetation maps using the standard "Phase 1" codings of the NCC, and, where possible, National Vegetation Classification communities;
- brief descriptions of the biological interest of each common, principally from a botanical viewpoint, but also recording information on fauna where possible;
- brief descriptions of management practices on each common, and recommendations for each site;
- an overview of the biological characteristics and management of common land in the county, and also at a national level, through the production of county reports and other analyses.

By relying primarily on the Phase 1 methodology, the consequent reports provide very little information relevant to the assessment of any wood pasture present. Supplementary tick boxes included "Pollarding" as a management activity, and "Mature trees (>60 cm dbh)" and "Much dead wood", which again do not provide much useful information. Descriptions of the vegetation rarely mention the age or management history of any trees present.

Registered rights to wood or deadwood (part of the common right of estovers) provide a more useful guide to the fact that the common historically supported trees large enough to provide this resource for commoners. Francis *et al* (1990) draws attention to the rights for "deadwood or nut coppice" on the National Trust owned commons near Maidenhead. At Bucklebury Common right holders could collect "timber for repairs" and pollards may be topped. Other Berkshire commons can be used for the gathering of wood, brushwood, underwood, tree loppings, pea and bean sticks, fencing, or dead wood. These particular commons clearly had a long history of tree cover of some sort, though it does not provide evidence of the presence of veteran trees.

A subjective decision has had to be made on whether or not sites covered in the county reports actually contain veteran trees, based on very inadequate baseline data. These are included on the spreadsheet.

2.2.2.5 Invertebrate Site Register

The Invertebrate Site Register project of the Nature Conservancy Council published a series of county reports during the early 1980s (Peachey, 1981, 1982 & 1983). These were examined for suggestions of veteran trees or species information which suggests the presence of veteran trees.

Information subsequent to those reports and now held electronically by English Nature has not been consulted.

2.2.2.6 Index of Ecological Continuity (Saproxylic Beetles)

An Index has been developed (Alexander, 1988; Harding & Alexander, 1994) for the comparative assessment and evaluation of sites based on known records of the presence of certain saproxylic beetles associated with ancient wood pasture situations. Thresholds for identifying the regional, national or international importance of individual sites have also been identified (Alexander, 1996):

- 80 or greater = European importance;
- 25-79 = national importance;
- 15-25 = regional importance.

The Index of Ecological Continuity (IEC) values are provided in the tables for sites where some recording has taken place. It should be noted however that few sites in the three counties may be considered adequately surveyed: only Windsor in Berkshire; Ashridge Commons (including Ivinghoe) and Burnham Beeches in Buckinghamshire; and Wytham in Oxfordshire. Values are given for additional sites for information only – these should not be taken as the true values for these sites, but only as an indication that a start has been made on demonstrating the conservation interest on these particular sites.

2.2.2.7 Fungal surveys

Where it exists, information on fungi of parklands and wood pastures in the three counties is rather inaccessible. Two recent national reports on UK BAP priority species are an exception:

- Roberts' (2001) report on oak polypore *Piptoporus quercinus*, a bracket fungus which is associated with large old oaks in ancient parks and wood pastures; Windsor Great Park and Forest is the major national stronghold for the species;
- Marren's (1997) report on Devil's Bolete *Boletus satanas* identifies a number of old wood pasture sites which are known to support this rare fungus which is mycorrhizal on beech trees. The three counties are an important area for the fungus, with two known localities in each.

Sites known to support these two fungal species are identified on the spreadsheet.

Anecdotal information was also provided by Jill Butler and Ted Green on sites with another old wood pasture bracket fungus *Ganoderma pfeifferi*.

These records are noted in the "Comments" column of the spreadsheet.

2.2.2.8 SSSI citations

Designation as an SSSI is noted on the spreadsheet, also where the citation confirms the presence of veteran trees, or makes no reference to them.

2.2.2.9 Ancient Tree Forum data

In recent years the Ancient Tree Forum has been compiling lists of sites of known importance for ancient trees and the special wildlife communities associated with relict old growth. This data is held by Dr K.N.A. Alexander and has been taken into account.

Two members of the forum – Ted Green and Jill Butler – live within the three counties and are very knowledgeable of the ancient tree resource in the Windsor and Maidenhead area. Both were consulted as part of the desk study and their recommendations incorporated into the ATF section of the spreadsheet.

2.2.2.10 BBOWT habitat survey data

All habitat survey data held by the Wildlife Trust for Berkshire, Buckinghamshire and Oxfordshire (BBOWT) has been looked through for references to the presence of old parkland or wood pasture trees. Unfortunately - though the Wildlife Trust has habitat survey data for many hundreds of sites - information on parklands and wood pasture

sites is noticeably very sparse and an acknowledged omission from the data set. The data was collated mainly in the period from the 1970s to early 1990s, with some older material and, for Oxfordshire, some more recent 1997-2002 surveys.

Where information on parklands is available, in the vast majority of cases it does not extend beyond a note of the extent of parkland habitat and sometimes grassland survey data. In all cases the references to parkland are in survey data that predates either the 1:50 000 or 1:25 000 scale OS maps used in the project (and in most cases both maps) & have therefore not been included in the inventory unless accompanied by other information that indicates the presence of old trees.

In contrast to the lack of information on parklands, the survey data covers vast numbers of woodlands. Many of the survey forms note the presence of "old trees", this being particularly common where the survey form used includes a tick box for this. In the majority of cases these references to "old trees" are for sites with ground floras that strongly indicate that they are conventional ancient enclosed woodlands, rather than old wood pastures, and it has therefore been assumed that these references to "old trees" refer to trees that are old in the context of the age-range of trees normally found within conventional woodlands rather than within wood pastures. Exceptions have been made where:

- survey forms make reference to particularly old trees;
- the sites appear to be former wood pastures, e.g. commons or former commons.

Survey data for some sites that were thought from map sources to be potential former pasture woodland sites, makes refers only to the presence of young trees. This has been used as a negative indication of the presence of old trees, but not as conclusive unless supported by other indications that the site is unlikely the meet the criteria.

2.2.2.11 Local Biological Records Centres

Information was sought from the Buckinghamshire and Oxfordshire local records centres on the sites which have been identified as part of the desk study. The Buckinghamshire centre was visited. Tetrad maps marked up with site boundaries were examined to identify relevant sites and the information held on these was scrutinised. This information comprises mainly BBOWT's habitat survey data for Buckinghamshire (see section 2.2.2.10). In the case of the Oxfordshire centre, a search was made for parkland sites on their Recorder software system.

2.2.2.12 Local Authority data sources

Andy Glencross (Wokingham District Council) was able to recommend a number of sites either known to have veteran trees or suspected as doing so; also the WDC GIS system enabled checking of potential sites identified from the desk study against 1996 aerial photos and the 1875 First Edition OS 1: 10 560 map sheets.

Jeremy Davy (West Berkshire District Council) reported that little data was held on sites with veteran trees. A certain amount of anecdotal information was provided.

Howard Albertini (Slough District Council) reported that this DC has not really considered veteran trees to date. Upton Court was the main site to his knowledge. The old estates of the district are now largely built over.

John Wenman, Wildlife Ranger, Bracknell Forest Borough Council, reports that little information on veteran trees is currently available for the Borough. He reports that there are a number of sites in their Wildlife Heritage Site records that coincide with the parkland/wood pasture areas identified by the desk study. The information they hold is largely only species lists with brief habitat descriptions. Size and numbers of trees are rarely noted.

Tina Gower, Community Conservation & Biodiversity Manager, Reading Borough Council:

- confirmed that Reading Borough does have a few veterans, although they are not properly surveyed or catalogued;
- some information was provided on Caversham and Prospect Parks; also Coley Park;
- old willow pollards on the floodplain in Kennet Meadows have recently had Tree Preservation Orders applied;
- there is a collection of veteran pear trees in Prospect Park, and off the St John's area in the centre of Reading;
- there are also veteran exotic trees, eg very old cedars, which now have TPOs;
- quite a few significant boundary trees, mostly oaks, but also field maples, occur across the town, mostly in parks and mostly as single specimens rather than a collection.

Craig Blackwell (Oxfordshire County Council) reported that it was unlikely that he would be able to add to the information generated by the desk study. There is very little knowledge of many of the sites.

Andy McVeigh (Buckinghamshire County Council) was also unable to provide any additional information.

2.2.2.13 Forestry Commission

Mike Habergham reported that the Forestry Commission was unable to add to the data already collated.

2.2.2.14 National Trust surveys

The National Trust Conservation Directorate at Cirencester has two sections which hold data on park and wood pasture veteran trees. The Nature Conservation Section has carried out biological surveys of most of their properties in the three counties and the reports have been checked for references to veteran trees and species dependent on veteran trees. There are also park tree surveys carried out by the Gardens Section. The results are included in the spreadsheet.

2.2.3 Historic sources

2.2.3.1 OS 1st edition 1" maps

Each site selected as a potential site for old parkland or pasture woodland from other sources was checked against David & Charles reprints of the OS 1st Edition OS maps. The local maps were originally published between 1817 and 1833, with the survey work on which they were based carried out between approximately 1809 and 1818 but extensively revised in the 1820s.

They provide a very useful picture of the distribution of parklands, woodlands and other scattered trees during the early part of the 19th century. They cannot, however, by taken as absolute proof of the absence of these features at this time, because a few sites that are known to have been present are not shown. In particular the Cotswold escarpment is largely shown with no tree symbols when today the same areas have scattered ancient ash pollards which clearly would have existed as significant trees less than 200 years ago. In a few other cases the David & Charles reprints are not sufficiently clear to determine whether parkland, woods or other trees were shown on the original maps.

An additional early OS map was made available by Ted Green from the Crown Estate Offices at Windsor Great Park. This is entitled "*An actual survey of Berkshire*" and is dated 1752. The scale appears to be of the order of 1: 2 500. This has been used for identifying the earlier landscape of sites BK151 Barkham and BK152 East Heath which have relict veteran oaks within the current housing estates.

2.2.3.2 Register of Parks and Gardens (English Heritage)

The *Register of Parks and Gardens of special historic interest in England* focuses primarily on designed landscapes and so entries relate mostly to the 18th century and more recently developed designs. Longer established parklands such as medieval deer parks and Tudor ceremonial parks are much more likely to hold features of special wildlife interest, but are unfortunately ignored by these Registers - unless of course they were re-landscaped. This makes the Registers of limited value to parkland and wood pasture biodiversity projects. The ones for the three counties covered by this inventory make no reference to the presence or absence of ancient trees.

The Register grades each included site as follows:

Grade I – parks and gardens which by reason of their historic layout, features and architectural ornaments considered together make them of exceptional interest.

Grade II* - parks and gardens which by reason of their historic layout, features and architectural ornaments considered together make them if not of exceptional interest nevertheless of great quality.

Grade II - parks and gardens which by reason of their historic layout, features and architectural ornaments considered together make them of special interest.

The spreadsheet includes the Register grades for information only.

2.2.3.3 The Medieval parks of England. A gazetteer

Cantor (1983, 1987) is of much greater value for identifying parklands of potential value for nature conservation. It lists the date of the earliest reference to all documented medieval deer parks in England. This date is included in the spreadsheet. The one issue to be aware of is that absence of available documentation does not necessarily mean that the site was not a deer park at some stage in the medieval period. In particular, documentation of deer parks maintained by the Church was often lost following the Dissolution.

2.2.3.4 Tudor maps

Christopher Saxton's maps are also an invaluable source of information on the deer enclosures that were in existence during the mid 16th Century. They demonstrate which of the medieval deer parks were still in active use at that time, and also identify parks which had been formed more recently.

Facsimile maps have been published by The British Library (1984), and reproductions may also be found in various books published on historic maps, eg Ravenhill & Chatsworth Library (1992). They are therefore reasonably easy to access. A single map was produced by Saxton covering the three counties and is dated 1574 – this has been extracted for the Thames & Chilterns Survey. More information on the Tudor maps may be found in Tyacke & Huddy (1980).

The slightly later maps of John Speed (1605) have not been consulted, but these are generally thought to have drawn heavily on Saxton's maps and so contain little additional information.

2.2.3.5 Books about deer parks

Deer parks have been the subject of many books and these provide useful information on their development and history. Those consulted as part of this project are:

- Shirley (1867); lists all of the deer parks of England;
- Whitehead (1950); lists all of the existing deer parks in Britain and Ireland in 1949.

Sites listed by these two sources are indicated in the spreadsheet.

Whitaker (1892) was not consulted.

2.3 Sources not explored

TROBI

- the Tree Register of the British Isles gathers information on remarkable trees from around the country;
- this data is held on a computerised database.

Tree Wardens

- The Tree Council operates a national scheme for volunteers to become involved in monitoring their local tree resource;
- Berkshire and Buckinghamshire have Tree Wardens schemes established, with local coordinators, but not Oxfordshire.

2.4 Problem areas

2.4.1 Commons

Lowland commons are renowned for having been under-grazed for much of the 20th century and many formerly open commons - maintained by grazing over periods of hundreds of years - have succeeded to scrub and secondary woodland following abandonment. Some may have included old wood pasture trees but any surviving today are engulfed in the secondary woodland and so difficult to detect by means of a desk study or even by rapid reconnaissance survey.

While any veteran trees that may have survived under these conditions are still of cultural and aesthetic interest, much of the biological interest may have been lost. Epiphytes are very sensitive to low light levels caused by shading and much of the saproxylic invertebrate fauna is sensitive to low temperatures. Some notable lichen species may survive high up in canopies, however, where light levels remain relatively high.

2.4.2 Forests

The three counties include a series of former medieval forests: Bernwood, Shotover, Whittlewood (partly), Windsor, and Wychwood. With the exception of Windsor, these were compartmentalised forests, comprising various enclosed woodlands set within a matrix of open country with wood pasture trees. Disafforestation appears to have resulted in the conversion of the open matrix into enclosed farmland – the extent of surviving wood pasture trees is difficult to ascertain from this desk study. Many of the enclosed woodlands survived, but these have had a long history of management as coppice or coppice-with-standards and so fall outside the remit of the present project.

These old forest landscapes should be key areas for reconnaissance surveys targeted at identifying surviving areas with old wood-pasture trees.

2.4.3 Parks

Historic information on the date of emparkment can be misleading with regard to identification of potential interest for wood pasture interests. New parks were usually sited on areas which already held mature open-grown trees, in order to create the feeling of an instant park, rather than wait for new plantings to mature. Thus a park which was clearly enclosed only in the 18th century, for instance, may actually incorporate old and ancient trees which derive from an earlier landscape, perhaps an earlier deer park or a former wood pasture. Wooded commons were often converted into parkland.

3. Results

3.1 Desk study

3.1.1 Presentation of results

The results of the desk study are presented in the form of a series of Excel spreadsheets – one for each county - and tables derived from those spreadsheets are presented in the Appendices.

All sites which were identified from the desk study are included even where information collated subsequently suggests that they have no veteran trees. They are included as a record that these sites were considered but rejected, in case they are proposed once again at a later date.

The fields – ordered as presented in the spreadsheet tables - are as follows:

Code: A working site code employed during the site compilation to facilitate cross referencing between site records and the OS base maps.

Site name: Wherever possible this was taken from the OS maps, supplemented with information from the historical sources. Where this was not possible the name given is the nearest settlement.

Grid Reference: Four or six figure grid references are provided for each site.

Unitary Authority: Introduced primarily for Berkshire which no longer has any official status as a county and is now divided into various Unitary Authorities.

Grade: An assessment of what the disparate sources appear to be indicating:

- 1 Confirmed presence of concentrations of veteran trees
- 2 Confirmed presence of at least small numbers of veteran trees.
- 3 Probable presence of veteran trees.
- 4 Possible.
- 5 Unlikely.
- 6 Reject.

Further explanation is given in section 5.1.2.

Number of veterans: information on numbers or relative abundance of veteran trees, where such information has been found during the compilation exercise.

Reccy: information resulting from a rapid reconnaissance visit to the area, viewing sites from public roads – see Section 3.2 below.

1: 50 000, 1: 25 000, 1^{st} Edition 1 inch: an indication of the major vegetation cover indicated on these series of OS maps. Emphasis is given on symbols for "park or ornamental ground" (1: 50 000) or tree symbols outside of woodland and particularly those in park-like enclosures (1: 25 000 and 1^{st} Edition 1 inch).

Mid 20th Century (Whitehead): presence of a deer park in the mid 20th century.

Late 19th Century (Shirley): presence of a deer park in the late 19th century.

Tudor (Saxton): presence of a mapped deer park in the Tudor period.

Medieval (Cantor): date of earliest documentary evidence for a medieval deer park of this name in the general vicinity, or with a different name where there is alternative evidence that this is the same site or very close by.

Common: an assessment of whether or not veteran trees are suggested by the descriptions provided in the *Biological Survey of Common Land* county reports.

Berkshire Parkland Survey: an assessment of whether or not veteran trees are suggested by this survey.

Local Authority: information provided by staff of local County, District and Borough Councils.

ATF: information held by Ted Green and/or Keith Alexander, of the Ancient Tree Forum; and Jill Butler of Woodland Trust.

National Trust: an assessment of whether or not veteran trees are suggested by the National Trust biological survey reports that cover most NT properties in the three counties. Where there is no biological survey then information has been sought from park or garden surveys.

Wildlife Trust & LRC: an assessment of whether or not veteran trees are suggested by the BBOWT habitat surveys, other information held by the Trust, or by the county biological records centres for Buckinghamshire and Oxfordshire.

Bark Lichen Interest (Bowen): the site evaluations from the lichen survey of the three counties.

Mature Timber Habitat (Harding): the site evaluations from the Mature Timber Habitat reports.

Index of Ecological Continuity (Beetles): Index values based on information held by Keith Alexander.

Invertebrate Site Register: information assessed from the published Invertebrate Site Register reports 1981-83. Data held on computer at English Nature, Peterborough was not checked.

SSSI: information derived from the current SSSI Schedules.

EH Register: grade given in Register of Parks and Gardens. Parklands which are not listed are indicated by "No entry", in order to distinguish enclosed parklands from possible unenclosed wood pastures.

Comments: miscellaneous information not covered elsewhere in the spreadsheet. This includes records of:

- **Oak Polypore**: positive records of this old oak bracket fungus, based on full listing of known sites (Roberts, 2002);
- **Devils Bolete**: positive records of this old beech wood pasture mycorrhizal fungus, based on full listing of known sites (Marren, 1997);
- the old beech bracket fungus *Ganoderma pfeiifferi*, where presence of this species has been mentioned; a full listing of sites is not available.

3.1.2 Grading of sites

The grades allocated to each site are based on an assessment of the potential for nature conservation significance from the indications arising from the desk study and reconnaissance visits.

Criteria for each grade are as follows:

Grade 1

- sites with confirmed presence of 20 or more veteran trees, or, where information on numbers is ambiguous, then:
- known high interest for bark lichens or saproxylic communities.

Grade 2:

• sites with confirmed presence of at least small numbers of veteran trees.

Grade 3:

- no confirmation of presence of veteran trees, but:
- strong indications of high habitat quality from existing knowledge of saproxylic and epiphytic communities.

Grade 4:

- no confirmation of presence of veteran trees;
- little or no existing knowledge of saproxylic and epiphytic communities; but
- indications of long continuity of parkland or wood pasture.

Grade 5:

- no confirmation of presence of veteran trees;
- no existing knowledge of saproxylic and epiphytic communities;
- no indications of long continuity of parkland or wood pasture; but
- available information inadequate for complete elimination.

Grade 6:

- no suggestion of veteran tree interests at all, and
- strong indications that there are few if any veteran trees on site.

Table 1 summarises the results of the study in terms of numbers of sites by county and grading.

Table 1: Number of identified sites by county and grading

Grades 5 and 6 are shown in italic script as these are not considered to merit further investigation. This leaves 327 sites within the three counties.

Grade	Berks	Bucks	Oxon	Total
1	29	13	11	53
2	44	23	26	93
3	12	4	10	26
4	35	67	53	155
5	26	26	19	71
6	14	1	10	25
Total sites	160	134	129	423

3.1.3 The Berkshire spreadsheet

For the former county overall:

- 160 sites have been identified from a range of sources;
- 73 sites have been confirmed as having veteran trees; of these:
 - 29 are in the highest probability category for nature conservation importance;
 - these include four sites within Windsor Forest and Great Park SSSI, and Swinley Park & Brickpits SSSI;
 - 44 more have some veteran trees at least;
 - these include three sites at least partly coincident with Greenham and Crookham Commons SSSI, Snelsmore Common SSSI, Combe Wood and Linkenholt Hanging SSSI;
- 12 sites appear to be probable veteran tree sites, but are unconfirmed;
- 35 are possible sites;
- 40 are assessed as being unlikely or have been rejected.

In Bracknell Forest:

- 15 sites have been identified from a range of sources;
- 5 sites have been confirmed as having veteran trees; of these:
 - 4 are in the highest probability category for nature conservation importance
 - these include two sites within Windsor Forest and Great Park SSSI, plus Swinley Park & Brickpits SSSI;
 - the fourth site is Warfield Hall;
 - o 1 more Sunningdale Park College has smaller numbers of veteran trees;
- 3 sites appear to be probable veteran tree sites, but are unconfirmed;
- 6 are possible sites;
- 1 has been assessed as being unlikely.

In Reading:

- 3 sites have been identified from a range of sources;
- 2 sites have been confirmed as having veteran trees; of these:
 - Prospect Park is in the highest probability category for nature conservation importance, with an estimated 20 veteran trees;
 - Caversham Park is reported to have some veteran trees at least;
- Coley Park is a possible site.

In Slough:

- 2 sites have been identified from a range of sources;
- Bayliss House is a possible site;
- one further site has been assessed as being unlikely.

In Windsor & Maidenhead:

- 33 sites have been identified from a range of sources;
- 25 sites have been confirmed as having veteran trees; of these:
 - 10 are in the highest probability category for nature conservation importance;
 - these include one site within Windsor Forest and Great Park SSSI;
 - o 15 more have some veteran trees at least;
- 2 sites appear to be probable veteran tree sites, but are unconfirmed;
- 3 are possible sites;
- 3 are assessed as being unlikely or have been rejected.

In West Berkshire:

- 77 sites have been identified from a range of sources;
- 24 sites have been confirmed as having veteran trees; of these:
 - 9 are in the highest probability category for nature conservation importance;
 - o 15 more have some veteran trees at least;
 - these include three sites at least partly coincident with Greenham and Crookham Commons SSSI, Snelsmore Common SSSI, Combe Wood and Linkenholt Hanging SSSI;
- 7 sites appear to be probable veteran tree sites, but are unconfirmed;
- 19 are possible sites;
- 27 are assessed as being unlikely or have been rejected.

In Wokingham:

- 29 sites have been identified from a range of sources;
- 16 sites have been confirmed as having veteran trees; of these:
 - 5 are in the highest probability category for nature conservation importance
 - o 11 more have some veteran trees at least;
- 5 are possible sites;
- 8 are assessed as being unlikely or have been rejected.

3.1.4 The Buckinghamshire spreadsheet

- 134 sites have been identified from a range of sources;
- 36 sites have been confirmed as having veteran trees; of these:
 - 13 are in the highest probability category for nature conservation importance
 - these include four sites at least partly coincident with Ashridge Commons and Woods SSSI, Black Park SSSI, Burnham Beeches SSSI, and Naphill Common SSSI;
 - o 23 more have some veteran trees at least;
 - these include four sites at least partly coincident with Bradenham Woods SSSI, Grangelands and Pulpit Hill SSSI, Howe Park Wood SSSI, Ivinghoe Hills SSSI, Kings and Bakers Woods and Heaths SSSI;
- 4 sites appear to be probable veteran tree sites, but are unconfirmed;
- 67 are possible sites, including Moorend Common SSSI;
- 27 are assessed as being unlikely or have been rejected.

3.1.5 The Oxfordshire spreadsheet

- 129 sites have been identified from a range of sources;
- 37 sites have been confirmed as having veteran trees; of these:
 - 11 are in the highest probability category for nature conservation importance
 - these include three sites at least partly coincident with Ashdown Park and Woods SSSI (a small site for sarsen stones only, omitting most of the veteran tree areas), Blenheim Park SSSI, and Wytham Woods SSSI (which omits the parkland area of this site);
 - 26 more have some veteran trees at least;
 - these include four sites at least partly coincident with Horspath Common and Shotover Hill;
- 10 sites appear to be probable veteran tree sites, including Wychwood SSSI, but are unconfirmed;
- 53 are possible sites, including Appleton Lower Common SSSI;
- 29 are assessed as being unlikely or have been rejected.

3.2 Field reconnaissance

A trial run was carried out in Wokingham District to see how many sites could be given a quick reconnaissance in one winter afternoon:

- 14 sites were viewed from public roads;
- this resulted in 4 sites being rejected as having no veteran trees visible;
- it confirmed 8 as having veteran trees;
- two remain unclear due to poor visibility from public roads;
- three previously unidentified sites were noted as having veteran trees.

4. Discussion

4.1 Introduction

One of the most striking conclusions from the desk study is that this project has confirmed the current lack of knowledge of veteran trees in the three counties. A very high proportion of the identified sites have no existing data that is relevant to this project - 155 out of the 423 identified sites (37%) are left as "possible" (Grade 4) and require visiting just to find out whether or not they should be included in follow up specialist survey work.

The project has also demonstrated the large number of sites with veteran trees that occur or potentially occur within the three counties. Berkshire is especially important in this respect owing to the large number of surviving sites which fall within the old bounds of Windsor Forest. However, the other two counties also appear to have a relatively large number of sites when compared with the limited number of similar studies (see 6.3 below).

The half day of field reconnaissance in Wokingham District, checking "possible" sites, actually found three additional sites which were not identified by the desk study. This demonstrates the extent of veteran trees within the "ordinary" countryside of the old Windsor Forest area.

4.2 Provisional nature of the inventory

This desk study has demonstrated one further extremely important point – that the use of OS maps and historical sources to generate an inventory can only be regarded as provisional, a starting point. It is very clear from a number of sites that these sources can give a false view of parkland and wood pasture sites.

Eynsham Park (Oxon) provides an example in the first category:

- no information could be found in historical sources to suggest this park was anything other than an 18th century creation of no particular merit; however:
- the parkland does contain large ancient oaks (J. Campbell, pers.comm.); and these are of:
- Grade B (of local importance) for bark lichens (Bowen, 1988).

Naphill Common (Bucks) is a good example in the latter category:

- the 1st edition OS map (1822) shows it as virtually completely open land, with only five tree symbols; and yet:
- the SSSI Schedule (1981) mentions "many large ancient oak and beech pollards";
- clearly these ancient pollards would have been large and much more noticeable in the open grazed land of the common pasture in 1822 and yet they were not mapped to any extent by the OS surveyor(s).

Combe Wood (Berks) is another example:

- the OS maps give no indication of a history as wood-pasture;
- the site is not a Registered Common today, and yet:
- the SSSI Schedule comments that "the northern part of the wood appears to have been managed as wood pasture at some stage during its history, as indicated by the open structure of mature oaks, including some pollards, and the sparse understorey of hazel with a very poor ground flora."

Basically, only positive evidence can be relied upon. Negative evidence has to be viewed with caution.

4.3 Comparisons of provisional results with other counties

The site totals for each county at the end of the compilation is:

- Berkshire 160;
- Buckinghamshire 134;
- Oxfordshire 129.

These compare with:

- Norfolk 79 parks over 25 hectares in 1988 (Norfolk County Council, 1988);
- Bedfordshire 89 parklands (Reid & Wilson, 1995);
- Gloucestershire approx 150 sites identified with residual parkland and some likelihood of large trees having been preserved (C. Pagendam, pers.comm.);
- Staffordshire 94 sites identified (Webb & Bowler, 2001).

This further emphasises the great importance of the Thames and Chilterns area for veteran trees and veteran tree sites. However, that the Thames and Chilterns Survey covers both parklands and other wood pastures whereas most of the above sources only cover parklands. Although other wood pastures form only a minority of the sites in the Thames & Chilterns inventory.

4.4 Other types of situation with veteran trees

The Thames & Chilterns project has focussed only on parklands and wood pastures. Veteran trees do occur in other situations within the counties, notably orchards, and as flood plain pollards and boundary trees. These are likely to form important corridors and stepping stones linking up the parkland and wood pasture sites.

4.5 Recommendations

The desk study has produced a large number of sites which merit further investigation. Resources are unlikely to be available – in the short term at least – to carry out all of this work.

Sites graded 1 and 2 (146 sites) merit specialist survey to assess their biological communities, while the priority with sites graded 3 and 4 (181 sites) is to carry out at least single site visits to assess the potential value of specialist survey.

Sites graded 1 and 2 have been identified as having veteran tree interest and hence merit inclusion in county wildlife or heritage site registers on that basis alone. However, site visits are still needed in order to delimit boundaries. Some already have local non-statutory designations. In many ways, however, the priority is to check out the grade 3 and 4 sites as these cannot yet be confirmed as having veteran tree interest, and so cannot yet be identified as having confirmed conservation interest.

Ideally grade 1 and 2 sites all need:

- a basic tree survey, documenting each tree of significance, preferably using GPS to locate them;
- specialist ecological survey:
 - lichens, including collation of Bowen's lichen information as well as updating knowledge of those sites, and further field survey on previously unstudied sites;
 - o saproxylic invertebrates;
 - o saproxylic and mycorrhizal fungi;
- an arboricultural assessment, to identify health, condition and life expectancy, for planning recruitment rates for conservation;
- conservation plans, assessing all of the above, and identifying the key management requirements.

Very little of this work has yet been done.

The existing SSSI portfolio in the three counties does includes sites with veteran trees but few are adequately documented.

5. Acknowledgements

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Appendices

Appendix 1: Berkshire sites sorted by unitary authority & grade

Note: some columns of the original spreadsheet have been omitted in order to present the key information in this table

Code	Site name	Grid Ref	Unitary Authority	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BK54	Swinley Park	SU8967	Bracknell	1	100		Yes			(Bowen)	(naruing)		No entry	SSSI; Oak
BK60	South Forest, Windsor	SU940710	Forest Bracknell Forest	1							****			polypore SSSI; Oak polypore
BK101	High Standing Hill, Windsor Forest	SU930740	Bracknell Forest	1							****			SSSI; Oak polypore
BK109		SU8671	Bracknell Forest	1	50								No entry	polypoic
BK102	Sunningdale Park College	SU948678	Bracknell Forest	2	some								No entry	
BK53	Easthampstead Park	SU845674	Bracknell Forest	3			Yes	Yes	1365				No entry	
BK56	Allanbay Park	SU850730	Bracknell Forest	3									No entry	
BK59	Fernhill Park	SU932722	Bracknell Forest	3									No entry	
BK55	Bracknell Forest	SU860650	Bracknell Forest	4										
BK57	Ascot Place	SU9171	Bracknell Forest	4									II*	
BK58	Foliejon Park	SU902743	Bracknell Forest	4			Yes	Yes	1317				No entry	
BK99	South Hill Park	SU870665	Bracknell Forest	4									II	
BK108	Binfield Manor	SU8570	Bracknell Forest	4									No entry	
BK160	Pope's Manor, Binfield	SU843699	Bracknell Forest	4									No entry	
BK120	Winkfield Park	SU9072	Bracknell Forest	5									No entry	
BK85 BK116 BK158 BK161	Prospect Park, Reading Caversham Park Coley Park Bayliss House	SU690725 SU7276 SU7172 SU9681	Reading Reading Reading Slough	1 2 4 4	20		Yes		1223	C C			II II No entry	
BK64 BK141	Upton Court Park Windsor Great Park, Egham Wick	SU985785 SU9769	Slough Surrey	5 2					1132				No entry No entry	

Code	Site name	Grid Ref	Unitary Authority	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BK61	Windsor Forest & Great Park	SU9672	W&M	1		Yes	Yes	Yes	1132	A+	*****	236	Ι	SSSI; Oak polypore & Devils Bolete
BK67	Silwood Park	SU9468	W&M	1	10+					С			No entry	oak polypore & Ganoderma pfeifferi present (Ted Green)
BK72	Maidenhead Thicket	SU855805	W&M	1	many					С			.	
	Temple Park	SU8383	W&M	1									No entry	
	Billingbear Park St Leonards Farm, Windsor	SU8272 SU931749	W&M W&M	1 1	some 100		Yes						No entry	
BK139	St Leonards Hill, Windsor	SU944752	W&M	1	20									
	St Leonards (Legoland), Windsor	SU940748	W&M	1	50									
BK142	Sunninghill Park	SU935700	W&M	1	100				1484				No entry	
BK144	Windsor Great Park (non- SSSI)	SU9672	W&M	1	many				1132		****		No entry	
BK62	The Home Park, Windsor	SU980760	W&M	2	several		Yes						No entry	
BK68	Ankerwycke Park	TQ005728	W&M	2									No entry	
BK69	Shottesbrooke Park	SU8477	W&M	2									No entry	
BK70	Waltham Place	SU860774	W&M	2									No entry	
BK112	Ockwells Manor Pinkneys Green	SU8778 SU8682	W&M W&M	2 2	few								No entry	
	Hall Place Park	SU8381	W&M	2	some	Yes	Yes						No entry	
	Braywood House, Windsor	SU916755	W&M	2	5	100	100						No entry	
	Broomhall, Sunningdale	SU953670	W&M	2	5									
	Woodside Farm, Old Windsor	SU980733	W&M	2	few									
	Clayhall Farm, Old Windsor	SU975745	W&M	2	few									
	Cresswells Farm	SU898782	W&M	2	few									
	Holyport to Oakley Green	SU900774	W&M	2									NI	
	Stubbings	SU845815	W&M	2									No entry	
	Cock Marsh area	SU885868	W&M	2 3									No ontra	
BK65 BK71	Coworth Park	SU960680 SU807805	W&M W&M	3									No entry	
BK63	Cayton Park Ditton Park & Appleton	SU807805 SU996778	W&M	3			Yes		1335				No entry II	
	Park			-			163		1000					
BK66	Titness Park	SU953688	W&M	4									No entry	
BK122	Cookham Green & Moor	SU8684	W&M	4										
Code	Site name	Grid Ref	Unitary Authority	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
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BK73 BK111	Bisham Winter Hill	SU8584 SU872860	W&M W&M	5						C	(narung)			SSSI; Devil's Bolete; Ganoderma pfeifferi present (Jill Butler) SSSI
	Widbrook Common	SU8983	W&M	6										
BK6	Wokefield Park	SU6765	W.Berks	1	20								No entry	
BK8	Englefield Park	SU6271	W.Berks	1	many	1600	Yes		1588	С	***	16	1	
BK10	Aldermaston Park	SU600640	W.Berks	1	67		Yes	Yes	1202			2	П	
BK12	Wasing Park	SU5764	W.Berks	1						В		6	П	
BK16	Hamstead Marshall Park	SU4266	W.Berks	1		Yes	Yes	Yes	1229	A++	**	3	II	Countryside Stewardship Scheme operating
BK35	Welford Park	SU405730	W.Berks	1			Yes			А			No entry	operating
BK41	Woolley House	SU4180	W.Berks	1	many		Yes			A			No entry	
BK74	Trunkwell House	SU695643	W.Berks	1	many		163			~			No entry	
BK75	Oakfield	SU672664	W.Berks	1	many				1319				No entry	
BK5	Culverlands	SU667670	W.Berks	2	a few				1010				No entry	
BK9	Basildon Park	SU610780	W.Berks	2	a few					С		8		
BK15	Greenham Common	SU4964	W.Berks	2	a few					U		0		SSSI
BK21	Bucklebury Common	SU5568	W.Berks	2	many					А				0001
BK23	Frilsham Common	SU550735	W.Berks	2	some									
BK26	Snelsmore Common	SU460711	W.Berks	2	some					А				SSSI
BK38	Chilton Foliat Park	SU330703	W.Berks	2	a few					A			No entry	
BK44	Ashampstead Common	SU585750	W.Berks	2	some					В			i to entry	
BK80	Sandleford Park	SU473643	W.Berks	2	a few					Ā			П	
BK83	Port Down, Hungerford & Hunder Park	SU350680	W.Berks	2	a few			Yes					No entry	
BK84	Combe Wood	SU3559	W.Berks	2	some					В				SSSI
BK90	Yattendon Park	SU5574	W.Berks	2				Yes					No entry	
BK117	Donnington Grove	SU460690	W.Berks	2	few			Yes					II	
BK153	Thornhill Copse	SU334771	W.Berks	2	few									
BK78	Ufton Court	SU6266	W.Berks	2	some				1338	С			No entry	
BK42	Parkwood	SU4581	W.Berks	3						A				
BK18	Woolhampton Park & Elstree School	SU580670	W.Berks	3					1304	В			No entry	
BK30	Benham Valence Park	SU440675	W.Berks	3					1349	В			11	
BK33	Sole Common	SU410705	W.Berks	3						В				
BK37	Denford Park	SU365691	W.Berks	3						В			No entry	
BK89	Burnthill Common	SU572743	W.Berks	3										
BK154	Westrop Green &	SU520710	W.Berks	3										

Bushwell Copse

Code	Site name	Grid Ref	Unitary Authority	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BK4	Sulhamstead Park	SU640695	W.Berks	4						· ,	(No entry	0001
BK14 BK22	Crookham Common The Old Rectory,	SU522642 SU598720	W.Berks W.Berks	4 4						В			No entry	SSSI
	Bradfield												No entry	
BK25	Brockhurst School	SU530718	W.Berks	4									No entry	
BK27	Snelsmore East Common		W.Berks	4				Maa					N	
BK29	Speen (part of Donnington Grove)	SU460685	W.Berks	4				Yes					No entry	
BK40	Great Park Wood, Lambourn	SU340760	W.Berks	4						В				
BK82	Inkpen Common	SU3764	W.Berks	4						В				
BK86	Calcot Row & Horncastle	SU670725	W.Berks	4		Yes							No entry	
BK88	Beenham House	SU603693	W.Berks	4									No entry	
BK91	Ashampstead	SU560770	W.Berks	4									No entry	
BK93	Hermitage: The Common & Fence Wood	SU6171	W.Berks	4						В				
BK97	Langley Park	SU4976	W.Berks	4									No entry	
BK98	Barton Court	SU382682	W.Berks	4									No entry	
BK119	Bradfield Park	SU5871	W.Berks	4					1291				No entry	
BK136	Standen Manor	SU325665	W.Berks	4									No entry	
BK155	Purley Hall	SU6475	W.Berks	4									*	
BK156	Inkpen House	SU3764	W.Berks	4									*	
BK157	Herons Farm	SU6074	W.Berks	4									No entry	
BK1	Little Heath	SU610637	W.Berks	5										
BK2	Padworth Common	SU6264	W.Berks	5										former open heath
BK13	Little Park House, Crookham	SU545643	W.Berks	5									No entry	
BK17	Templeton Park	SU360665	W.Berks	5									No entry	
BK19	Woolhampton Court	SU572674	W.Berks	5									No entry	
BK20	Midgham Park	SU562672	W.Berks	5									No entry	
BK24	Frilsham Park	SU558738	W.Berks	5									No entry	
BK28	Arlington Manor, Mary Hare School	SU470710	W.Berks	5									No entry	
BK31	Winterbourne Manor	SU450718	W.Berks	5									No entry	
BK32	Boxford Common	SU442712	W.Berks	5									, , , , ,	
BK34	Wormstall Park	SU396710	W.Berks	5									No entry	
BK36	Elcot Park	SU398692	W.Berks	5									No entry	
BK43	Park Copse, Beedon	SU478775	W.Berks	5					1336				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
BK79	Hyde End House	SU552637	W.Berks	5									No entry	
BK81	West Woodhay House	SU385632	W.Berks	5									No entry	
BK87	Tidmarsh Grange	SU638743	W.Berks	5									No entry	
BK92	Dunston Park	SU5268	W.Berks	5									No entry	
BK95	Priorscourt Park	SU488739	W.Berks	5									No entry	
BK96	Bradley Park	SU491741	W.Berks	5									No entry	

		Unitary Authority	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BK103 Oare Common, Roebuck S Wood	SU505735	W.Berks	5						(,	(
	SU6566	W.Berks	6										former open heath
	SU6864	W.Berks	6			Yes	Yes	1239				No entry	
	SU575633	W.Berks	6						0				
	SU3373	W.Berks	6						С			No entry	
	SU663680	W.Berks	6									No entry	
	SU642666	W.Berks	6									No entry	
	SU5880	W.Berks	6										
	SU730655	Wokingham	1					1232	С		4		
	SU810738	Wokingham	1									No entry	
	SU710650	Wokingham	1									No entry	
	SU7763	Wokingham	1									No entry	
BK118 Shinfield Park & Nores S Hill	SU730694	Wokingham	1	19			Yes	1170				No entry	
BK47 Whiteknights Park S	SU740715	Wokingham	2						С		4	No entry	
BK51 Stanlake Park S	SU802753	Wokingham	2									No entry	
	SU780820	Wokingham	2					1250	С			II* É	
	SU7564	Wokingham	2						•			ii ii	
	SU765635	Wokingham	2										
	SU7165	Wokingham	2									No entry	
	SU770680	Wokingham	2	some									
	SU787673	Wokingham	2	Some									1752 map
	00101010	Wokingham	L										unenclosed
BK152 East Heath S	SU802670	Wokingham	2										1752 map unenclosed land
Ravenswood Village	SU824648	Wokingham	2									No entry	1752 map enclosed forest
	SU797670	Wokingham	2	two									
BK46 Stanbury Park & S Highlands	SU710670	Wokingham	4									No entry	
	SU702682	Wokingham	4									No entry	
BK127 Bear Place S	SU8179	Wokingham	4									No entry	
	SU8071	Wokingham	4									No entry	
	SU7883	Wokingham	4									No entry	
	SU7967	Wokingham	5									No entry	
	SU757756	Wokingham	5									No entry	
3	SU776690	Wokingham	6									*	
0	SU775743	Wokingham	6									No entry	
	SU750710	Wokingham	6					1276				No entry	

Code Site name	Grid Ref	Unitary Authority	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BK114 Hartley Court BK115 Holme Park BK128 Langley Common	SU705694 SU753753 SU770665	Wokingham Wokingham Wokingham	6 6 6									No entry No entry	

Appendix 2: Berkshire sites sorted by grade & unitary authority

Note: some columns of the original spreadsheet have been omitted in order to present the key information in this table

Code	Site name	Grid Ref	Unitary Authority	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BK54	Swinley Park	SU8967	Bracknell	1	100		Yes			(Boweii)	(narung)	(Deetles)	No entry	SSSI; Oak
BK60	South Forest, Windsor	SU940710	Forest Bracknell Forest	1							****			polypore SSSI; Oak polypore
BK101	High Standing Hill, Windsor Forest	SU930740	Bracknell Forest	1							****			SSSI; Oak
BK109		SU8671	Bracknell Forest	1	50								No entry	polypore
BK85	Prospect Park, Reading	SU690725	Reading	1	20					С			II	
BK61	Windsor Forest & Great Park	SU9672	W&M	1		Yes	Yes	Yes	1132	A+	****	236	I	SSSI; Oak polypore & Devils Bolete
BK67	Silwood Park	SU9468	W&M	1	10+					С			No entry	oak polypore & Ganoderma pfeifferi present (Ted Green)
BK72	Maidenhead Thicket	SU855805	W&M	1	many					С				
BK110	Temple Park	SU8383	W&M	1									No entry	
BK113	Billingbear Park	SU8272	W&M	1	some		Yes						No entry	
	St Leonards Farm, Windsor	SU931749	W&M	1	100									
	St Leonards Hill, Windsor	SU944752	W&M	1	20									
	St Leonards (Legoland), Windsor	SU940748	W&M	1	50									
	Sunninghill Park	SU935700	W&M	1	100				1484		****		No entry	
	Windsor Great Park (non- SSSI)	SU9672	W&M	1	many				1132		****		No entry	
BK6	Wokefield Park	SU6765	W.Berks	1	20					-			No entry	
BK8	Englefield Park	SU6271	W.Berks	1	many	1600	Yes		1588	С	***	16		
BK10	Aldermaston Park	SU600640	W.Berks	1	67		Yes	Yes	1202	-		2	11	
BK12	Wasing Park	SU5764	W.Berks	1						В	**	6	II 	A
BK16	Hamstead Marshall Park	SU4266	W.Berks	1		Yes	Yes	Yes	1229	A++	**	3	II	Countryside Stewardship Scheme operating
BK35	Welford Park	SU405730	W.Berks	1			Yes			А			No entry	
BK41	Woolley House	SU4180	W.Berks	1	many		Yes			А			No entry	
BK74	Trunkwell House	SU695643	W.Berks	1	many								No entry	
BK75	Oakfield	SU672664	W.Berks	1	-				1319				No entry	

Code	Site name	Grid Ref	Unitary Authority	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BK45	Swallowfield Park	SU730655	Wokingham	1					1232	C C	(4		
BK50	Haines Hill	SU810738	Wokingham	1									No entry	
	Loddon Court	SU710650	Wokingham	1									No entry	
	West Court	SU7763	Wokingham	1	10			Vee	1170				No entry	
	Shinfield Park & Nores Hill	SU730694	Wokingham	1	19			Yes	1170				No entry	
BK102	Sunningdale Park College	SU948678	Bracknell Forest	2	some								No entry	
BK116	Caversham Park	SU7276	Reading	2			Yes		1223	С			II	
BK141	Windsor Great Park, Egham Wick	SU9769	Surrey	2					1132				No entry	
BK62	The Home Park, Windsor	SU980760	W&M	2	several		Yes						No entry	
BK68	Ankerwycke Park	TQ005728	W&M	2									No entry	
BK69	Shottesbrooke Park	SU8477	W&M	2									No entry	
BK70	Waltham Place	SU860774	W&M	2									No entry	
BK112	Ockwells Manor	SU8778	W&M	2									No entry	
BK121	,	SU8682	W&M	2	few									
	Hall Place Park	SU8381	W&M	2	some	Yes	Yes						No entry	
BK137	Braywood House, Windsor	SU916755	W&M	2	5								No entry	
BK143	Broomhall, Sunningdale	SU953670	W&M	2	5									
BK145	Woodside Farm, Old Windsor	SU980733	W&M	2	few									
BK146	Clayhall Farm, Old Windsor	SU975745	W&M	2	few									
BK147	Cresswells Farm	SU898782	W&M	2	few									
	Holyport to Oakley Green	SU900774	W&M	2										
BK149		SU845815	W&M	2									No entry	
	Cock Marsh area	SU885868	W&M	2									· · · ,	
BK5	Culverlands	SU667670	W.Berks	2	a few								No entry	
BK9	Basildon Park	SU610780	W.Berks	2	a few					С		8	II ,	
BK15	Greenham Common	SU4964	W.Berks	2	a few									SSSI
BK21	Bucklebury Common	SU5568	W.Berks	2	many					А				
BK23	Frilsham Common	SU550735	W.Berks	2	some									
BK26	Snelsmore Common	SU460711	W.Berks	2	some					А				SSSI
BK38	Chilton Foliat Park	SU330703	W.Berks	2	a few					А			No entry	
BK44	Ashampstead Common	SU585750	W.Berks	2	some					В			-	
BK80	Sandleford Park	SU473643	W.Berks	2	a few					А			II	
BK83	Port Down, Hungerford & Hunder Park	SU350680	W.Berks	2	a few			Yes					No entry	
BK84	Combe Wood	SU3559	W.Berks	2	some					В				SSSI
BK90	Yattendon Park	SU5574	W.Berks	2				Yes					No entry	
BK117	Donnington Grove	SU460690	W.Berks	2	few			Yes						
BK153	5	SU334771	W.Berks	2	few									
BK78	Ufton Court	SU6266	W.Berks	2	some				1338	С			No entry	
													-	

Code	Site name	Grid Ref	Unitary Authority	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
	Whiteknights Park Stanlake Park Park Place, Remenham Farley Hill	SU740715 SU802753 SU780820 SU7564	Wokingham Wokingham Wokingham Wokingham	2 2 2 2					1250	C C	(4	No entry No entry II* II	
	The Leas, Finchampstead Wyvols Court	SU765635 SU7165	Wokingham Wokingham	2 2									No entry	
	Newlands	SU770680	Wokingham	2	some								NO CHUY	
BK151	Barkham	SU787673	Wokingham	2										1752 map unenclosed land
	East Heath	SU802670	Wokingham	2										1752 map unenclosed land
	Bagshot Rails & Ravenswood Village	SU824648	Wokingham	2									No entry	1752 map enclosed forest
BK130 BK53	Redlands Farm Park Easthampstead Park	SU797670 SU845674	Wokingham Bracknell	2 3	two		Yes	Yes	1365				No entry	
DICOS	Lasinampsieau Faik	30043074	Forest	5			165	165	1305				NO entry	
BK56	Allanbay Park	SU850730	Bracknell Forest	3									No entry	
BK59	Fernhill Park	SU932722	Bracknell Forest	3									No entry	
BK65	Coworth Park	SU960680	W&M	3									No entry	
BK71	Cayton Park	SU807805	W&M	3									No entry	
BK42	Parkwood	SU4581	W.Berks	3					4004	A				
BK18	Woolhampton Park & Elstree School	SU580670	W.Berks	3					1304	В			No entry	
BK30	Benham Valence Park	SU440675	W.Berks	3					1349	В			II	
BK33	Sole Common	SU410705	W.Berks	3						В			Nia antoni	
BK37 BK89	Denford Park Burnthill Common	SU365691 SU572743	W.Berks W.Berks	3 3						В			No entry	
		SU520710	W.Berks	3										
BK55	Bracknell Forest	SU860650	Bracknell Forest	4										
BK57	Ascot Place	SU9171	Bracknell Forest	4									*	
BK58	Foliejon Park	SU902743	Bracknell Forest	4			Yes	Yes	1317				No entry	
BK99	South Hill Park	SU870665	Bracknell Forest	4									II	
BK108	Binfield Manor	SU8570	Bracknell Forest	4									No entry	
BK160	Pope's Manor, Binfield	SU843699	Bracknell Forest	4									No entry	

Code	Site name	Grid Ref	Unitary Authority	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BK158	Coley Park	SU7172	Reading	4						(,	(()	No entry	
BK161	Bayliss House	SU9681	Slough	4										
BK63	Ditton Park & Appleton Park	SU996778	W&M	4			Yes		1335				II	
BK66	Titness Park	SU953688	W&M	4									No entry	
	Cookham Green & Moor	SU8684	W&M	4										
BK4	Sulhamstead Park	SU640695	W.Berks	4									No entry	
BK14	Crookham Common	SU522642	W.Berks	4						В				SSSI
BK22	The Old Rectory, Bradfield	SU598720	W.Berks	4									No entry	
BK25	Brockhurst School	SU530718	W.Berks	4									No entry	
BK27	Snelsmore East Common	SU480710	W.Berks	4										
BK29	Speen (part of Donnington Grove)	SU460685	W.Berks	4				Yes					No entry	
BK40	Great Park Wood, Lambourn	SU340760	W.Berks	4						В				
BK82	Inkpen Common	SU3764	W.Berks	4						В				
BK86	Calcot Row & Horncastle	SU670725	W.Berks	4		Yes							No entry	
BK88	Beenham House	SU603693	W.Berks	4									No entry	
BK91	Ashampstead	SU560770	W.Berks	4									No entry	
BK93	Hermitage: The Common & Fence Wood	SU6171	W.Berks	4						В				
BK97	Langley Park	SU4976	W.Berks	4									No entry	
BK98	Barton Court	SU382682	W.Berks	4									No entry	
BK119	Bradfield Park	SU5871	W.Berks	4					1291				No entry	
	Standen Manor	SU325665	W.Berks	4									No entry	
	Purley Hall	SU6475	W.Berks	4									11*	
	Inkpen House	SU3764	W.Berks	4									*	
	Herons Farm	SU6074	W.Berks	4									No entry	
BK46	Stanbury Park & Highlands	SU710670	Wokingham	4									No entry	
	Great Lea	SU702682	Wokingham	4									No entry	
	Bear Place	SU8179	Wokingham	4									No entry	
-	Bill Hill Park	SU8071	Wokingham	4									No entry	
	Culham Court	SU7883	Wokingham	4									No entry	
BK120	Winkfield Park	SU9072	Bracknell Forest	5									No entry	
BK64	Upton Court Park	SU985785	Slough	5									No entry	
BK73	Bisham	SU8584	W&M	5						С				SSSI; Devil's Bolete; Ganoderma pfeifferi present (Jill Butler)
BK111	Winter Hill	SU872860	W&M	5										SSSI
BK1	Little Heath	SU610637	W.Berks	5										

Code	Site name	Grid Ref	Unitary Authority	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BK2	Padworth Common	SU6264	W.Berks	5						(,	(**************************************	()		former open heath
BK13	Little Park House, Crookham	SU545643	W.Berks	5									No entry	
BK17	Templeton Park	SU360665	W.Berks	5									No entry	
BK19	Woolhampton Court	SU572674	W.Berks	5									No entry	
BK20	Midgham Park	SU562672	W.Berks	5									No entry	
BK24	Frilsham Park	SU558738	W.Berks	5									No entry	
BK28	Arlington Manor, Mary Hare School	SU470710	W.Berks	5									No entry	
BK31	Winterbourne Manor	SU450718	W.Berks	5									No entry	
BK32	Boxford Common	SU442712	W.Berks	5										
BK34	Wormstall Park	SU396710	W.Berks	5									No entry	
BK36	Elcot Park	SU398692	W.Berks	5									No entry	
BK43	Park Copse, Beedon	SU478775	W.Berks	5					1336					
BK79	Hyde End House	SU552637	W.Berks	5									No entry	
BK81	West Woodhay House	SU385632	W.Berks	5									No entry	
BK87	Tidmarsh Grange	SU638743	W.Berks	5									No entry	
BK92	Dunston Park	SU5268	W.Berks	5									No entry	
BK95	Priorscourt Park	SU488739	W.Berks	5									No entry	
BK96	Bradley Park	SU491741	W.Berks	5									No entry	
BK103	Oare Common, Roebuck Wood	SU505735	W.Berks	5										
BK129	Folly Court	SU7967	Wokingham	5									No entry	
BK132	The Deanery, Sonning	SU757756	Wokingham	5									No entry	
BK123	Widbrook Common	SU8983	W&M	6										
BK3	Wokefield Common	SU6566	W.Berks	6										former open heath
BK7	Stratfield Mortimer Parks	SU6864	W.Berks	6			Yes	Yes	1239				No entry	neatri
BK11	Brimpton Common	SU575633	W.Berks	6									· ,	
BK39	Inholmes Park	SU3373	W.Berks	6						С			No entry	
BK76	Hillfields	SU663680	W.Berks	6						-			No entry	
BK77	Firlands Farm	SU642666	W.Berks	6									No entry	
BK94	Common Wood, Streatley	SU5880	W.Berks	6									· ,	
BK48	Bearwood College	SU776690	Wokingham	6									*	
BK49	Ashenbury Park, Woodley Green		Wokingham	6									No entry	
BK104	Maiden Early Park	SU750710	Wokingham	6					1276				No entry	
BK114		SU705694	Wokingham	6									No entry	
	Holme Park	SU753753	Wokingham	6									No entry	
	Langley Common	SU770665	Wokingham	6										
				-										

Appendix 3: Buckinghamshire sites sorted by grade

Note: some columns of the original spreadsheet have been omitted in order to present the key information in this table

Code	Site Name	Grid Ref	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BU1	Biddlesden Park	SP630395	1	some					A	(nananig)	(2001100)	No entry	old oaks (Bowen, 1988)
BU2	Stowe Park	SP675370	1	many	Yes	1651		1257	A+		18	I Í	
BU3	Charmandean School	SP690394	1	several								No entry	Whittlewood Forest
BU10	Wotton House	SP673160	1	many					В			*	Bernwood Forest
BU17	Naphill Common	SU835970	1	many						Ungraded	9		SSSI; very shaded
BU25	Chequers	SP844055	1	some					A+			II	
BU32	Ivinghoe Common, etc	SP975140	1	many					С	**	47		Ashridge Commons & Woods SSSI
BU47	Booker Common	SU833918	1										Ganoderma pfeifferi site (Jill Butler)
BU55	Burnham Beeches & East Burnham Common	SU950850	1	500					A+	***	94		SSSI
BU62	Bulstrode Park	SU985880	1	20		Yes	Yes	Yes	С			*	Ganoderma pfeifferi site
BU69	Langley Park	TQ010810	1			Yes	Yes	1202	С	**	6	П	(Jill Butler) enclosed from Windsor
													Forest
BU70	Black Park	TQ010830	1		Yes					**		No entry	SSSI
		SP795335	1	some									Whaddon Chase
BU12	Eythrope Park	SP766140	2						A			No entry	
BU19	Hughenden Manor	SU862950	2	two					C		1	II	
BU20	Bradenham Park Wood	SU830980	2	some			Yes		В		12		SSSI
BU23	Little Hampden Common	SP859040	2	some									
BU24	Pulpit Hill	SP835048	2	some									Grangelands & Pulpit Hill SSSI
BU26	Low Scrubs	SP855060	2	some									
BU40	Turville Park	SU740910	2	few		Yes			_			No entry	
BU44	Fawley Court	SU765840	2		Yes				В			ll*	
BU50	West Wycombe House	SU830942	2	some							3		
BU59	Stoke Place	SU984820	2	several								No entry	
BU61	Hedgerley Park	SU977865	2									No entry	
BU77 BU78	Common Wood	SU925950	2								7		detec to Democide.
	Penn Wood	SU915960 SU872912	2								1		dates to Domesday
BU87 BU88	Deangarden Wood Brands House	SU872912 SU875955	2 2									No entry	
BU88 BU97	Latimer Park	SU995990	2					1335				No entry	
BU97 BU99	Marlow Common	SU825872	2					1555				NO EIIIIY	
BU101	Harleyford Manor	SU830845	2									Ш	
BU117	Howe Park Wood	SP832343	2										SSSI; Site for RDB beetle
2011		0.002010	-										Osphya

Code	Site Name	Grid Ref	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
	Turville Heath Rammamere Heath	SU744910 SP922302	2 2	some					C C		3 3		Kings & Bakers Woods & Heaths SSSI
BU134	Green Park, Aston Clinton	SP883116	2	a few					В			No entry	
BU21	Great Hampden Common	SP850010	2	some									
BU58	Stoke Park & Farnham Park	SU970825	3		Yes	Yes		1331				No entry	
BU63	Wilton Park	SU960900	3									No entry	
BU64	Chalfont Grove	SU986915	3									No entry	
BU118	Swanbourne House School	SP800270	3						A			No entry	
BU4	Wavendon House	SP925375	4									No entry	
BU5	Gayhurst House	SP847463	4			Yes	Yes	1229	В			11	
BU6	Tyringham Hall	SP855477	4									*	
BU11	Tythrop House	SP737068	4									No entry	
BU14	Claydon House	SP720250	4						С			11	
BU15	Addington Manor	SP745285	4									No entry	
BU16	Lilies House, Weedon Village	SP810182	4									No entry	
BU18	Downley Common	SU852965	4										
BU22	Hampden House	SP850021	4									No entry	
BU27	Mentmore Park	SP900199	4									II	
BU28	Ascott House	SP892230	4									11*	
BU29	Liscombe Park	SP885260	4									No entry	
BU31	Stockgrove Park or Vane	SP915295	4									No entry	
BU33	Penn House	SU922950	4					1325				No entry	
BU34	Shardeloes	SU940980	4									11*	
BU35	Missenden Abbey Park	SP900005	4									II	
BU36	Lowndes Park, The Bury	SP955018	4									No entry	
BU37	Lee Common	SP903042	4										
BU39	Fawley Hill House	SU758858	4									No entry	
BU43	Commonhill Wood	SU752948	4										
BU46	Moor Common & Moor End	SU802905	4						С				SSSI
BU49	Danesfield House Hotel	SU818843	4									No entry	
BU51	Cliveden	SU910840	4						С			1	
BU52	Hitcham Park	SU922823	4									No entry	
BU57	Farnham Common	SU970850	4									-	
BU65	The Vache	SU996945	4				Yes					No entry	
BU66	Beacon Hill	SU905927	4									No entry	
BU68	Newland Park College	TQ010938	4									No entry	
BU71	Richings Park	TQ030785	4									No entry	
BU72	Huntsmoor Park	TQ045815	4									No entry	
BU73	Round Coppice Farm	TQ035843	4									No entry	

Code	Site Name	Grid Ref	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BU74	Denham Court Farm	TQ046866	4						(,	((,	No entry	
BU76	Chalfont Park	TQ012895	4									No entry	
BU82	Wycombe Abbey & Daws Hill House	SU862922	4									II	Devils Bolete
BU85	Widdenton Park Wood	SU816916	4										"site of medieval park" SSSI
BU86	Warren Wood	SU8789	4										
BU90	The Rough Park	SU927967	4						•				FC woodland
BU91	Hall Barn	SU9489	4						С			II	
BU92	Coleshill Common	SU945948	4									N	
BU93	Witton Place	SU945920	4									No entry	
BU94	Chesham Bois Common	SU965990	4										
BU96	Pollards Park & Wood	SU995955	4									N	
BU98	Roughwood Park	TQ008955	4 4									No entry	
	Sentry Hill	SU835855	4									N.a. and m.	
	Westhorpe Park	SU866873	4 4									No entry	
	Hedsor Park	SU912858 SU982838	4									No entry	
	Sefton Park		-					4004				No entry	
	Fulmer House Denham	TQ003858 TQ025883	4 4					1324				No entry	
		TQ025883 TQ033823	4									No entry	
	Bangors Park Farm Ham Green	SP700190	4									No entry	
	Long Crendon Manor	SP693084	4					1086				No optru	
	Hartwell House	SP693084 SP796123	4					1066				No entry II*	
	Great Kimble &	SP830058	4							ungradad			SSSI
	Ellesborough Warrens		-							ungraded			3331
	Woodlands Park	SP888031	4									No entry	
	Ley Hill Common	SP992019	4										
BU116	Whaddon Park & Snelshall Priory	SP810345	4		Yes			1279				No entry	Whaddon Chase
BU120	Rushmere Park	SP9128	4									No entry	Kings & Bakers Woods & Heaths SSSI
BU121	Stratton Park, Great Brickhill	SP896310	4					1467				No entry	
BU122	Bow Brickhill Park	SP913347	4					1220				No entry	
	Tickford Park, Moulsoe	SP9142	4			Yes	Yes	1472				No entry	
	Shalstone Manor	SP642363	4					=				No entry	
	Chetwode Manor	SP647300	4						В			No entry	
	Lillingstone House	SP7039	4						-			No entry	Whittlewood Forest
	Thornton Park	SP751362	4				Yes					No entry	
	Stokepark Wood	SP825490	4					1214				. 10 01119	
	Dropmore	SU925860	4									Ш	
BU7	North Crawley	SP923444	5									No entry	
BU8	Crawley Grange	SP932449	5									No entry	
200	eranoy erange	0.002110	Ũ									. to only	

Code	Site Name	Grid Ref	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
BU9	Chiltonpark Farm & Dorton Park Farm	SP670135	5				Yes		(2011011)	(nai anig)	(2001100)	No entry	
BU38	Hawridge Common & Cholesbury Common	SP945065	5										
BU41	Wormsley Park	SU736945	5									No entry	
BU42	Ibstone Common	SU750930	5										
BU45	Heath Wood	SU805870	5										
BU48	Bassetsbury Manor	SU874925	5									No entry	
BU53	The Priory	SU932820	5									No entry	
BU54	East Burnham Park	SU950835	5					1226	-			No entry	
BU56	Littleworth Common	SU935860	5						С				SSSI
BU60	Stoke Common & Frame Wood	SU985850	5						С				SSSI
BU67	King's Mead	SU895912	5									No entry	
BU79	Dorney Court	SU927790	5									No entry	
BU80	Benhams	SU760863	5									No entry	
BU81	Cadmore Common End & Wheeler End Common	SU799930	5										
BU83	Brockhurst Park	SU972840	5									No entry	
BU84	Pumpkin Hill	SU940840	5										
BU89	Pimm's Grove	SU8992	5										
BU95	Austens	SU978920	5									No entry	
BU106	Heath Lodge	TQ023814	5									No entry	
BU114	White End Park	SP982028	5									No entry	
BU119	Tattenhoe Park	SP8233	5									No entry	
BU126	Hillesden Old Park	SP672201	5									No entry	
BU129	Hanslope Park	SP816456	5				Yes	1222				No entry	
BU131	Olney Park	SP873537	5					1374				No entry	Yardley Chase
BU13	Waddesdon Manor	SP732165	6		Yes			1374	А			*	

Appendix 4: Oxfordshire sites sorted by grade

Note: some columns of the original spreadsheet have been omitted in order to present the key information in this table

Code	Site name	Grid Ref	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
OX13	Wroxton Abbey	SP415417	1						A A	(narung)	(Deetles)	*	"big relict oaks" (Bowen 1988)
OX15	Buckland House	SU340982	1			Yes			В			*	"deer park from c1680" (Whitehead 1949); "large trees" (Bowen 1980)
OX19	Eynsham Park	SP395170	1						В			No entry	enclosed from Wychwood Forest
OX21	Cornbury Park	SP3518	1	many	Yes	Yes	Yes	1244	A**	*	18	*	
OX33	Wytham Park & Radbrook Common		1	many					А	***	60	No entry	part SSSI; Devils Bolete 1949
OX34	Blenheim Great Park - High Park	SP4317	1	900	Yes	Yes	Yes	1100s	A**	***	60	I	SSSI: enclosed from Wychwood Forest c1000; oak polypore 2002; Devils Bolete 1990s
OX34	Blenheim Great Park - rest	SP4317	1	many	Yes	Yes						Ι	Tudor enlargement of parkland
OX50	Kirtlington Park	SP510200	1					1279	A*		2	No entry	
OX62	Thame Park & New Park	SP710030	1	many	Yes	Yes	Yes	1138	В	ungraded	6	ll*	"huge relict oaks in pasture" (Bowen 1980)
OX64	Ashdown Park & Woods	SU282820	1	some					A		16	*	SSSI for sarcens; medieval park site (NT); Ganoderma pfeifferi
OX79	Crowsley Park, Home Farm & Binfield Heath	SU7379	1		1685	Jacobean			A			No entry	"massive oaks" (BBOWT); "big limes and oaks, one 10m diameter" (Bowen, 1980); "old maples & limes" (Bowen, 1988)
OX1	Coleshill Park	SU240935	2	few					А		4	No entry	1666 Estate map shows parkland trees
OX2	Buscot House	SU245968	2	few					В		3	*	
OX16	Hinton Manor	SU372990	2						А			II	
OX18	Cokethorpe Park	SP370062	2						A			No entry	old record for RDB saproxylic beetle Velleius dilatatus
OX20	Wilcote House	SP375158	2						А			No entry	
OX23	Ditchley Park	SP390210	2		Yes	Yes			A			*	enclosed from Wychwood Forest in c1605
OX24	Heythrop Park	SP362265	2						В			11*	

Code	Site name	Grid Ref	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
OX37	Glympton Park	SP422216	2			Yes			B	(Harung)	(Deelles)	No entry	"large trees in valley"
OX46	Nuneham Park	SU542982	2		Yes	1710						I	(Bowen 1980) "large oaks and elms" (Bowen 1980)
OX47	Horspath Common & Shotover Hill	SP565060	2										Shotover Forest; part of Brasenose Wood &
OX48 OX54	Shotover House Britwell House	SP585065 SU670925	2 2	10					В			l No entry	Shotover Hill SSSI "old oaks" (Bowen 1988) ancient trees in arable
OX55 OX69	Brightwell Park Elmorepark Wood & Park	SU653953 SU630815	2 2	-					С			No entry	Ganoderma pfeifferi
OX71 OX75	Wood Goring Heath Checkendon Court	SU668790 SU660830	2 2							ungraded		No entry	"woodland around
UKIU			L									No only	estatesome large yews, beches, oaks" (BBOWT)
OX77	Ipsden Heath	SU665852	2	a few									Woodland Trust
OX82	Greys Court	SU725833	2	a few		Yes	Yes	1290	В		5	ll* .	
OX84	Henley Park & The Mount	50750850	2	some				1296				No entry	"a few ancient oaks as well as some large veterans; saproxylic
OX85	Stonor Park	SU740890	2	some	Yes	Yes		1361	А			I	fungal interest" (ATF) "ancient ash and field maple plus veteran oak,
													beech, hawthorn" (ATF)
OX87	Watlington Park	SU708925	2		Yes	Yes		1272	В			No entry	"veteran sweet chestnut, oak, beech, Tilia cordata" (ATF)
OX103	Holton Park	SP598603	2	few	Yes	Yes		"possible"				No entry	["] few large trees" (Bowen, 1980); "oak measuring 27
OX117	Nettlebed Common	SU710860	2	some									feet in circumference" (Shirley, 1867) "old beech pollards" (Common Land Survey, 1996); Nettlebed Woods
OX119	Chastleton	SP2429	2									II*	"little more than an old lime avenue" (Katie Fretwell, NT)

Code	Site name	Grid Ref	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
	Tubney Wood	SP445000	2						(,	***	(,		denotified SSSI; "probably not woodland pre 15C; several large old hornbeam; felled hardwoods of considerable age" (BBOWT); lots of rare saproxylic beetles known in early 20C - probably wood pasture
	Sturt Wood	SP400150	2										
OX12	Broughton Park	SP418383	3			former			A	***		ll*	
OX22	Wychwood Forest	SP3316	3						A**	~~~	20		SSSI; relict of formerly much more extensive medieval forest
OX25	Over Norton Park	SP316280	3						А			No entry	
OX27	Great Tew Park	SP400290	3						А			No entry	
OX41	Rousham Park	SP477240	3						А			I	
OX42	Sandford Park	SP418268	3						A			II	
OX53	Swyncombe House	SU685900	3				Yes	1281				No entry	Lesser & Greater Heymer Parks, Nettlebed (Cantor); massive deer enclosure in general area (Saxton 1574)
OX60	Shelswell Park	SP605305	3						А			No entry	
OX63	Tusmore Park	SP567305	3					1358	А			No entry	
OX97	Radley Park	SU510997	3			disparked						No entry	
OX3	Ringdale Manor	SU289924	4 4									No entry	
OX4 OX5	Faringdon House Bradwell Grove	SU285960 SP240083	4									No entry	Cotowold Wildlife Bark
OX5 OX6	Bruern Abbey	SP240083 SP264202	4									No entry No entry	Cotswold Wildlife Park
OX0 OX7	Sarsden House	SP290228	4									INO EIIII Y	
OX9	Swerford Park	SP368311	4										
OX10	Cow Hill - possibly Great Tew Park North	SP398300	4									No entry	
OX11	East Adderbury	SP476352	4									No entry	
OX14	Pusey House	SU360968	4									II	
OX26	Over Norton Common	SP3428	4										
OX29	Kingston Bagpuize	SU405980	4									No entry	
OX30	Appleton Upper & Lower Commons	SP0042	4						A				SSSI
OX31	Upwood Park	SP455005	4									No entry	
OX35	Tackley Park	SP480203	4									II*	
OX38	Kiddington Park	SP410230	4									II	
OX39	Glympton Heath	SP434237	4										

Code	Site name	Grid Ref	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
OX43	Worton House	SP431290	4						(2011011)	(naranig)	(2001100)	No entry	
OX49	Bletchingdon Park	SP505180	4			1676		1322				No entry	
OX52	Middleton Park	SP525235	4					1201				No entry	
OX56	Pyrton Manor & Shirburn Manor	SU695960	4									II	
OX57	Wheatfield	SU688995	4									No entry	
OX58	Waterperry Common	SP6009	4									,	Bernwood Forest
OX59	Stratton Audley Park	SP610278	4									No entry	
OX65	Milton Hill Research	SU473900	4									No entry	
	Centre											,	
OX67	Mangewell Park (Carmel College)	SU610877	4									No entry	
OX68	Hardwick House	SU655776	4									No entry	
OX70	Common Wood	SU655805	4										
OX76	Braziers Common	SU655840	4										
OX78	Nuffield Common	SU6787	4										
OX81	Peppard Common	SU704815	4										
OX86	Russell's Water Common		4										adjacent to Pishill Woods
0/100		00710000	-										SSSI
OX88	Kingston Lisle Park	SU330875	4									No entry	8881
OX90	Baldon House	SU560899	4									No entry	
OX91	Royal Military College of	SU2589	4									No entry	
0/101	Science	002000	•									i to onary	
OX94	Oakley Park	SU452988	4									No entry	
OX95	Sheepstead Park,	SU4597	4							ungraded		No entry	
0//00	Marcham	004007	-							angradea		No only	
OX98	Ascott Park	SU612982	4									Ш	
OX99	Sparsholt Park	SU348873	4									No entry	
	Swalcliffe Park	SP377374	4									No entry	
	Ryccote Park	SP668046	4			disparked	Yes					No entry	
	Swerford Heath	SP392320	4			uisparkeu	103					NO CITUY	
	Wykham Park	SP440372	4									No entry	
	Coombe Park	SU625777	4									No entry	
	Haseley Court	SP645005	4					1284				No entry	
	The Oratory School,	SU654820	4					1204				NO entry	area named as Woodcot
0/114	Woodcote	30034020	4										Common on OS 1830
01116	Cathedral Grounds,	SP517056	4									No ontry	Common on O3 1850
07110	Oxford	3F317030	4									No entry	
0110	Beckley Park	SP5711	4			diaparkad		1175				*	"moated hunting lodge
UXII6	Beckley Park	5P5/11	4			disparked		11/5					
													set in parkland" (EH
01400	Chinton Dark	CD470465	4						۸			No ontro	Register)
	Shipton Park	SP478165	4				Vaa	1000	A			No entry	
	Mapledurham Park	SU6776	4				Yes	1233	В			No entry	den etifie d CCCI
UX124	Henwood & Youlbury	SP485035	4										denotified SSSI
	Wood												

Code	Site name	Grid Ref	Grade	Numbers of veterans	Mid 20th Century (Whtehd)	Late 19th Century (Shirley)	Tudor (Saxton)	Medieval (Cantor)	Bark Lichen Interest (Bowen)	Mature Timber Habitat (Harding)	Index of Ecol Cont (Beetles)	EH Register Grade	Comments
	Little Faringdon Park	SP224012	4						· /		. ,	No entry	
	Woodperry	SP575106	4									No entry	"old parkland" (BBOWT)
OX129	Bagley Wood	SP510020	4										historic records of rare
													saproxylic beetles (Keith
													Alexander)
OX8	Cornwell Manor	SP271271	5									II	
OX36	Tackley Heath	SP473210	5										former open heath
OX40	Barton Abbey	SP455245	5									No entry	
OX45	Clifton Heath	SU550970	5										former open heath
OX51	Bignell Park	SP555223	5									No entry	
OX61	Kingston House	SP740992	5									No entry	
OX72	Gallowstree Common	SU6880	5										
OX73	Heath End Common	SU6782	5										
OX74	Kingwood Common	SU6982	5						С				former open heath
OX80	Lower Hernes	SU742825	5									No entry	
OX89	Rush Court	SU602915	5									No entry	
OX93	Frilford Heath	SU4498	5										Frilford Heath SSSI
OX96	Culham House	SU503954	5									No entry	
	Hurst Hill	SP476041	5										
	The Common, Beckley	SP557112	5										
	Rignall Heath	SP425327	5										
OX115		SP697000	5									No entry	
	Barrington Park, Oxford	?	5		Yes							No entry	
-	Elmfield Farm Woods	SP307273	5										
OX17	Southmoor	SU395978	6										
OX32	Denman's Farm	SP461050	6										
OX44	orchards	SU590915	6										
OX66	Upton, Grove Farm,	SU514865	6										
	Corcote, East Hagbourne												
OX83	Rocky Lane Farm	SU716838	6										
	Orchards												
OX92	Manor Farm Orchard,	SU456689	6										
	East Hendred												
OX104	New Headington, Oxford	SP542053	6									No entry	
OX105	Headington Hill, Oxford	SP034064	6									No entry	
	Brooks University											-	
OX106	St Catherine's &	SP523066	6		Yes							I	"small deer enclosure
	Magdalen Colleges												dates back to 1786"
	-												(Whitehead 1950)
OX107	University Parks	SP516074	6									No entry	

Appendix 5: Survey and report write-up time

A careful record has been maintained of the time spent on the compilation of the data and this report. This record may be potentially useful in informing similar projects in other counties.

Information trawl and meetings:

• 17 days

Design and population of spreadsheet:

• 3 days

Final report:

• 2¹/₂ days



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If this report contains any Ordnance Survey material, then you are responsible for ensuring you have a license from Ordnance Survey to cover such reproduction. Front cover photographs: Top left: Using a home-made moth trap. Peter Wakely/English Nature 17,396 Middle left: Co₂ experiment at Roudsea Wood and Mosses NNR, Lancashire. Peter Wakely/English Nature 21,792 Bottom left: Radio tracking a hare on Pawlett Hams, Somerset. Paul Glendell/English Nature 23,020 Main: Identifying moths caught in a moth trap at Ham Wall NNR, Somerset. Paul Glendell/English Nature 24,888

