



# Chivers Knoll

## Management Plan 2013-2018

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## THE WOODLAND TRUST

### INTRODUCTION

The Trust's corporate aims and management approach guide the management of all the Trust's properties, and are described on Page 4. These determine basic management policies and methods, which apply to all sites unless specifically stated otherwise. Such policies include free public access; keeping local people informed of major proposed work; the retention of old trees and dead wood; and a desire for management to be as unobtrusive as possible. The Trust also has available Policy Statements covering a variety of woodland management issues.

The Trust's management plans are based on the identification of Key Features for the site and setting objectives for their management. A monitoring programme (not included in this plan) ensures that these objectives are met and any necessary management works are carried out.

Any legally confidential or sensitive species information about this site is not included in this version of the plan.

### PLAN REVIEW AND UPDATING

The information presented in this Management plan is held in a database which is continuously being amended and updated on our website. Consequently this printed version may quickly become out of date, particularly in relation to the planned work programme and on-going monitoring observations. Please either consult The Woodland Trust website [www.woodlandtrust.org.uk](http://www.woodlandtrust.org.uk) or contact the Woodland Trust ([wopsmail@woodlandtrust.org.uk](mailto:wopsmail@woodlandtrust.org.uk)) to confirm details of the current management programme.

There is a formal review of this plan every 5 years and a summary of monitoring results can be obtained on request.

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## WOODLAND MANAGEMENT APPROACH

The management of our woods is based on our charitable purposes, and is therefore focused on improving woodland biodiversity and increasing peoples' understanding and enjoyment of woodland. Our strategic aims are to:

- Protect native woods, trees and their wildlife for the future
- Work with others to create more native woodlands and places rich in trees
- Inspire everyone to enjoy and value woods and trees

All our sites have a management plan which is freely accessible via our website [www.woodlandtrust.org.uk](http://www.woodlandtrust.org.uk). Our woods are managed to the UK Woodland Assurance Standard (UKWAS) and are certified with the Forest Stewardship Council® (FSC®) under licence FSC-C009406 and through independent audit.

In addition to the guidelines below we have specific guidance and policies on issues of woodland management which we review and update from time to time.

We recognise that all woods are different and that the management of our sites should also reflect their local landscape and where appropriate support local projects and initiatives. Guidelines like these provide a necessary overarching framework to guide the management of our sites but such management also requires decisions based on local circumstances and our Site Manager's intimate knowledge of each site.

The following guidelines help to direct our woodland management:

1. Our woods are managed to maintain their intrinsic key features of value and to reflect those of the surrounding landscape. We intervene when there is evidence that it is necessary to maintain or improve biodiversity and to further the development of more resilient woods and landscapes.
2. We establish new native woodland using both natural regeneration and tree planting, but largely the latter, particularly when there are opportunities for involving people.
3. We provide free public access to woods for quiet, informal recreation and our woods are managed to make them accessible, welcoming and safe.
4. The long term vision for our non-native plantations on ancient woodland sites is to restore them to predominantly native species composition and semi-natural structure, a vision that equally applies to our secondary woods.
5. Existing semi-natural open-ground and freshwater habitats are restored and maintained wherever their management can be sustained and new open ground habitats created where appropriate.
6. The heritage and cultural value of sites is taken into account in our management and, in particular, our ancient trees are retained for as long as possible.
7. Woods can offer the potential to generate income both from the sustainable harvesting of wood products and the delivery of other services. We will therefore consider the potential to generate income from our estate to help support our aims.
8. We work with neighbours, local people, organisations and other stakeholders in developing the management of our woods. We recognise the benefits of local community woodland ownership and management. Where appropriate we allow our woods to be used to support local woodland, conservation, education and access initiatives.
9. We use and offer the estate where appropriate, for the purpose of demonstration, evidence gathering and research associated with the conservation, recreational and sustainable management of woodlands. In particular we will develop and maintain a network of long-term monitoring sites across the estate.
10. Any activities we undertake will conform to sustainable forest management principles, be appropriate for the site and will be balanced with our primary objectives of enhancing the biodiversity and recreational value of our woods and the wider landscapes.

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## SUMMARY

This public management plan briefly describes the site, specifically mentions information on public access, sets out the long term policy and lists the Key Features which drive management actions. The Key Features are specific to this site - their significance is outlined together with their long (50 year+) and short (5 year) term objectives. The short term objectives are complemented by a detailed Work Programme for the period of this management plan. Detailed compartment descriptions are listed in the appendices which include any major management constraints and designations. A short glossary of technical terms is at the end. The Key Features and general woodland condition of this site are subject to a formal monitoring programme which is maintained in a central database. A summary of monitoring results is available on request.

## 1.0 SITE DETAILS

<b>Site name:</b>	Chivers Knoll
<b>Location:</b>	Littlebrook, Paulton
<b>Grid reference:</b>	ST654568, OS 1:50,000 Sheet No. 172
<b>Area:</b>	0.11 hectares (0.27 acres)
<b>Designations:</b>	

## 2.0 SITE DESCRIPTION

### 2.1 Summary Description

This tiny woodland is located on a 'knoll' on the edge of Paulton, and, despite being surrounded housing, it offers wonderful views from the site.

### 2.2 Extended Description

This tiny site is located on the edge of Paulton, and is surrounded on all sides by housing. The site was already established woodland when given to the Trust in 1980. There is an adjoining piece of woodland which is under separate ownership. It is on top of a steep 'knoll' which was originally a coal tip. Due to its relative height there are fine views out of the site.

Access is available from a public footpath which skirts the site and is accessible at two points either end of a hawthorn hedge. There is a very short looping path within the site. This track is informal and occasionally used by local children as a play area. A bench is located at the bottom of the site on the footpath. There is no vehicular access within the site.

Many of the original Scots Pine (believed to have been planted, along with other species, in the 1920's) were blown down at the beginning of the 1980's. The Trust carried out some replanting of broadleaved trees in 1984 to fill in the gaps. A relatively large gap still exists at the very centre of the site. The under storey and ground flora contains some shrubs, but is mostly composed of nettles, ivy and invasive snowberry.

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## 3.0 PUBLIC ACCESS INFORMATION

### 3.1 Getting there

#### Access

A public footpath runs along the southern boundary which provides access to the site. A short looping path within the site is uneven and unsurfaced.

Two entrances exist, both from the footpath, one from a flight of rough steps, the other is open.

#### Transport

A small amount of on-road parking is available adjacent to the wood in the housing estate.

The nearest bus stop is 150m away and reached by a short walk on the pavement.

#### Facilities

Public toilets are to be found 500m away in the centre of Paulton.

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### 3.2 Access / Walks

## 4.0 LONG TERM POLICY

The main feature of Chiver's Knoll is the prominence in the landscape as a green feature. Although of limited use for recreation it is a valued feature locally and a small area of wilderness in an urban area. As such it will be important to retain tree cover with mature specimens as long as it is safe to do so.

## 5.0 KEY FEATURES

The Key Features of the site are identified and described below. They encapsulate what is important about the site. The short and long-term objectives are stated and any management necessary to maintain and improve the Key Feature.

### 5.1 Local Woodland Habitat

#### Description

Some planted mature conifers which are reaching maturity. The trees are mostly leaning and as the site is surrounded by housing so safety concerns are paramount. Some young seedlings are establishing of a variety of species

Public access is available but there is not a high demand and where it has occurred it has caused a nuisance to the neighbours through increased noise and litter.

#### Significance

The wood will form a back drop to many views around the town and is likely to be highly prized even by people who do not walk in the wood. The main trees are protected with a Tree Preservation Order in acknowledgement of their landscape value

#### Opportunities & Constraints

The wood is prone to litter, and the trees have suffered some damage from vandalism.

#### Factors Causing Change

Vandalism; windthrow & storm damage

#### Long term Objective (50 years+)

The site will remain as established woodland, although dominated by conifer for the foreseeable future it will slowly convert to broadleaf as the mature trees die and the natural regeneration of broadleaf species begins to dominate. It will be accessible for informal recreation by the local people. Trees will be retained as long as it is safe to do so.

#### Short term management Objectives for the plan period (5 years)

The canopy shall be maintained as continuous cover. This will require replacement trees to be established during the life of this plan. This is intended to be by natural regeneration. To achieve this within the life of the plan:

1. There should be approximately one sapling likely to survive every 1.5m where there is broken canopy; as this is natural regeneration discretion must be taken in this measurement and it should be used only as a guide. However if there is a general failure to meet this requirement small scale planting should be considered.
2. Invasive weed species, notably snowberry, which previously dominated but was removed during the last plan will need to be controlled by cutting once during the plan period.
3. A low bramble thicket may help reduce vandalism to the regeneration and so should be allowed to develop. It will be controlled to keep it under 1 metre in height and to prevent spread onto the footpath.
4. The hedge will be trimmed to prevent it encroaching onto the footpath

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## 6.0 WORK PROGRAMME

Year	Type of Work	Description	Due By
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## APPENDIX 1: COMPARTMENT DESCRIPTIONS

Cpt No.	Area (ha)	Main Species	Year	Management Regime	Major Management Constraints	Key Features Present	Designations
1a	0.11	Mixed conifers	1920	High forest	No/poor vehicular access to the site	Local Woodland Habitat	

This tiny wood contains Scots Pine and larch planted approximately 1920's. In 1984 ash, willow, oak cherry and hazel were planted to fill the gaps created where many pines had been blown down. The ground flora is of mainly grass, ivy and nettles.

## GLOSSARY

### **Ancient Woodland**

Ancient woods are defined as those where there has been continuous woodland cover since at least 1600 AD. In Scotland ancient woods are defined strictly as sites shown as semi-natural woodland on the 'Roy' maps (a military survey carried out in 1750 AD, which is the best source of historical map evidence) and as woodland all subsequent maps. However, they have been combined with long-established woods of semi-natural origin (originating from between 1750 and 1860) into a single category of Ancient Semi-Natural Woodland to take account of uncertainties in their identification. Ancient woods include Ancient Semi-Natural Woodland and plantations on Ancient Woodland Sites (see below). May support many species that are only found in ancient woodland.

### **Ancient Semi - Natural Woodland**

Stands in ancient woods defined as those consisting predominantly of native trees and shrubs that have not obviously been planted, which have arisen from natural regeneration or coppice regrowth.

### **Ancient Woodland Site**

Stands in ancient woods that have been converted to plantations, of coniferous, broadleaved or mixed species, usually for timber production, including plantations of native species planted so closely together that any semi-natural elements of the understorey have been suppressed.

### **Beating Up**

Replacing any newly planted trees that have died in the first few years after planting.

### **Broadleaf**

A tree having broad leaves (such as oak) rather than needles found on conifers (such as Scots pine).

### **Canopy**

The uppermost layer of vegetation in a woodland, or the upper foliage and branches of an individual tree.

### **Clearfell**

Felling of all trees within a defined area.

### **Compartment**

Permanent management division of a woodland, usually defined on site by permanent features such as roads. See Sub-compartments.

### **Conifer**

A tree having needles, rather than broadleaves, and typically bearing cones.

### **Continuous Cover forestry**

A term used for managing woods to ensure that there are groups or individual trees of different ages scattered over the whole wood and that some mature tree cover is always maintained. Management is by repeated thinning and no large areas are ever completely felled all at once.

### **Coppice**

Trees which are cut back to ground levels at regular intervals (3-25 years).

### **Exotic (non-native) Species**

Species originating from other countries (or other parts of the UK) that have been introduced by humans, deliberately or accidentally.

### **Field Layer**

Layer of small, non-woody herbaceous plants such as bluebells.

### **Group Fell**

The felling of a small group of trees, often to promote natural regeneration or allow planting.

### **Long Term Retention**

Discrete groups of trees (or in some cases single trees) that are retained significantly past their economic felling age. Operations may still be carried out within them and thinning is often necessary to maintain stability.

### **Minimum Intervention**

Areas where no operations (such as thinning) will take place other than to protect public safety or possibly to control invasive exotic species.

### **Mixed Woodland**

Woodland made up of broadleaved and coniferous trees.

### **National vegetation classification (NVC)**

A classification scheme that allows an area of vegetation to be assigned to the standardised type that best matches the combination of plant species that it contains. All woodlands in the UK can be described as being one of 18 main woodland types (W1 - W18), which principally reflect soil and climatic conditions. For example, Upland Oakwoods are type W11, and normally occur on well drained infertile soils in the cooler and wetter north and west of Britain. Each main type can be subdivided into numerous subtypes. Most real woods contain more than one type or sub-type and inevitably some woods are intermediate in character and can't be properly described by any sub type.

### **Native Species**

Species that arrived in Britain without human assistance.

### **Natural Regeneration**

Naturally grown trees from seeds falling from mature trees. Also regeneration from coppicing and suckering.

## **Origin & Provenance**

The provenance of a tree or seed is the place where seed was collected to grow the tree or plant. The origin is the geographical location within the natural range of a species from where seeds/tree originally derives. Thus an acorn collected from a Turkey oak in Edinburgh would have an Edinburgh provenance and a southern European origin.

## **Re-Stocking**

Re-planting an area of woodland, after it has been felled.

## **Shrub Layer**

Formed by woody plants 1-10m tall.

## **Silviculture**

The growing and care of trees in woodlands.

## **Stand**

Trees of one type or species, grouped together within a woodland.

## **Sub-Compartment**

Temporary management division of a compartment, which may change between management plan periods.

## **Thinning**

The felling of a proportion of individual trees within a given area. The remaining trees grow to fill in the space created.

## **Tubex or Grow or Tuley Tubes**

Tubes placed over newly planted trees or natural regeneration that promote growth and provide protection from animals such as rabbits and deer.

## **Weeding**

The control of vegetation immediately around newly planted trees or natural regeneration to promote tree growth until they become established. Either by hand cutting or with carefully selected weed killers such as glyphosate.

## **Windblow/Windthrow**

Trees or groups of trees blown over (usually uprooted) by strong winds and gales.