



Clough Wood

Management Plan 2018-2023

MANAGEMENT PLAN - CONTENTS PAGE

ITEM Page No.

Introduction

Plan review and updating

Woodland Management Approach

Summary

1.0 Site details

2.0 Site description

2.1 Summary Description

2.2 Extended Description

3.0 Public access information

3.1 Getting there

3.2 Access / Walks

4.0 Long term policy

5.0 Key Features

5.1 Informal Public Access

5.2 Natural Secondary Woodland

6.0 Work Programme

Appendix 1: Compartment descriptions

Appendix 2: Harvesting operations (20 years)

Glossary

MAPS

Access

Conservation Features

Management

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 Consequently this printed version may quickly become out of date, particularly in relation to the planned work programme and on-going monitoring observations.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 or contact the Woodland Trust (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.

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. 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.

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

Site name:	Clough Wood
Location:	Runcorn
Grid reference:	SJ542799, OS 1:50,000 Sheet No. 108
Area:	2.72 hectares (6.72 acres)
Designations:	Community Forest, Local Wildlife Site

2.0 SITE DESCRIPTION

2.1 Summary Description

A mature broadleaf woodland located in a steep sided clough valley with a stream running intermittently through the site. The predominant tree species is sycamore with ash, oak, beech, alder, elm and Scots pine. There is a diverse ground flora provides good spring displays of bluebells and ramson.

2.2 Extended Description

Clough Wood is a 2.72ha urban woodland in the Beechwood district of Runcorn, approximately 3 miles to the south-east of the town centre. The wood is bordered by a housing estate to the west; railway lines to the north and part of the eastern boundary; the M56 motorway to the south; and farmland to the east. The north-eastern section of the site occupies a small plateau then falls away into a shallow clough to the south-west. A small stream enters the site near the north-east corner then disappears underground re-emerging 100m to the south-west from where it flows down the centre of the site exiting via a culvert under the M56. The soils are predominantly sandy over areas of pure sand, capped with well decayed humus and leaf litter.

The wood was formerly farm woodland prior to the land being purchased by the Commission for the New Towns (CNT) in the late 1970's as part of the development of Runcorn New Town. It was gifted to the Woodland Trust along with several other urban woodlands in Runcorn in 1995. The Woodland Trust owns twenty one woods in the Runcorn area covering a total of over 100ha.

It is secondary broadleaved woodland which is a key feature of the site. The canopy comprises a mix of mature broadleaves including sycamore with ash, oak, beech and elm and a well developed understorey including under planting (from the 1980s) and natural regeneration of ash, beech, oak, sycamore, elm, wild cherry, hawthorn, hazel, elder and holly. There is extensive ground flora cover with large areas of bluebells and ramson in the spring. The wood is an important habitat for wildlife and has been designated as a Local Wildlife Site by Halton Borough Council.

Informal Public Access is a second key feature of the site with permissive footpaths through the wood from the western boundary to the eastern boundary. The wood is generally quiet with low levels of public usage mainly by local people. Due to the urban location of the wood it suffers from misuse from time to time including fly tipping, vandalism and fire damage to trees.

3.0 PUBLIC ACCESS INFORMATION

3.1 Getting there

There is a permissive footpath that runs the entire length of the woodland along its western boundary with two public access points with kissing gates leading from narrow tarmac pathways between housing on Kirkstone Crescent and Wenlock Road. Another unsurfaced footpath in the north of the woodland runs from the western boundary to the eastern boundary passing by a pond and leading off site to the houses to the west and into the adjacent field and the village of Sutton Weaver to the east. There are two entrances on the eastern boundary both of which are open access. All the footpaths are unsurfaced and quite uneven in places, although they are on the whole fairly flat as they run along the top of the clough. There are a number of steep slopes/ drops adjacent to the path.

There is no official car parking at the wood, although there is very limited on street parking on nearby residential roads.

The nearest bus stop is on Wood Lane about a 5 minute walk to the nearest entrance. For more information on bus routes and times visit the traveline website www.traveline.org.uk

There are no public toilets in the vicinity, the closest available toilets would be at the Halton Lea Shopping Centre, for more information visit www.halton-lea.co.uk

3.2 Access / Walks

4.0 LONG TERM POLICY

The long term intention for Clough Wood is to secure the regeneration and continuity of mixed broadleaved high forest and associated woodland edge habitat. It will be managed predominantly as a landscape and conservation feature to ensure the continuity of woodland habit and will continue to provide an amenity to the local population. Guided by the Woodland Trust's woodland management approach, the long term management will continue to seek a balance between conservation and public enjoyment. The woodland will be left to develop largely through natural processes, with mature and veteran trees retained and standing deadwood left on site where safe to do so.

Public safety and access will be the key drivers for woodland management operations with tree safety being a high priority in areas near to houses and footpaths. Tree safety and other silvicultural operations will aim to reduce long term tree safety liability and create gaps in the canopy to promote natural regeneration and improve the woodland structure. Regeneration of both natives and non-native species will be accepted. Coppicing along paths and boundaries will be undertaken periodically to maintain path sight lines and create a more graduated woodland edge.

Existing levels of public access provision will be maintained and the Trust's duty of care to neighbours and visitors will continue to be addressed through on-going tree safety and site risk assessment inspections. The woodland will be regularly monitored for long term threats from tree diseases, pests, invasive non-native species and human impacts (particularly fly tipping and vandalism) to ensure the long term sustainability of the woodland.

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 Informal Public Access

Description

The wood has approximately 550m of unsurfaced permissive footpaths and five entrances for public access. Three entrances are from the western boundary from the housing estate with kissing gates at two of these entrances. The other two entrances are on the eastern boundary from the adjacent farmland and have are open access with no gates.

The wood is relatively quiet and mostly used by local people for dog walking.

Significance

Increasing access to and enjoyment of woodland is one of the Woodland Trust's key outcomes and Clough Wood provides local people with easy access to woodland and nature in an urban environment. The wood is a prominent landscape feature in the local area and is visible from the M56. It also provides a range of amenity benefits including helping to "soften" the surrounding urban landscape, absorption of pollution and acting as a barrier against noise from nearby roads.

Opportunities & Constraints

The woodland is small and surrounded by houses, railway lines and roads.

The footpaths are not surfaced which may limit access for some visitors, however the current access provision is appropriate for the level of public usage of the site.

Management access to the wood is poor which is a constraint to carrying out woodland management in the wood.

Factors Causing Change

Misuse - fly tipping, fires, vandalism.

Paths can become muddy particularly in winter.

Long term Objective (50 years+)

The long-term objective is to maintain the current level of public access to the site to ensure it is welcoming and accessible for visitors all year round. Access infrastructure including 550m of footpath, 5 entrances, signage, fencing and gates will be maintained in good condition. The wood will be made as safe as practicable for visitors and neighbours through regular safety inspections of trees in high risk zones, site hazards and access infrastructure. Threats to the wood arising from public recreation or misuse will be monitored and appropriate measures taken to deal with them where it is practical and achievable.

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

Maintain entrances and footpaths by cutting back encroaching vegetation and trees; inspect signs, gates and fences; remove accumulations of litter & fly tipping as necessary - to be done annually via the EMC.

Carry out path edge/ boundary coppicing to improve sight lines by the end of the current plan period.

Carry out regular safety inspections of trees in high risk zones (i.e. next to buildings, roads and footpaths) and site hazards as per the Trust's safety inspection regime to ensure safety of visitors and neighbours, and undertaking any remedial safety work identified.

Monitor public use of the site before the end of the current plan period to review the standard of access, identify any work required and assess if there are any issues/ threats to the wood from public usage, taking appropriate action to address them if necessary.

5.2 Natural Secondary Woodland

Description

Clough Wood is dominated by sycamore with other broadleaves including oak, ash, beech, elm and cherry. Approximately 65% (1.57 ha) of the woodland canopy is fully mature and 35% (1.03 ha) young or semi-mature about twenty years old. The understorey is variable across the site and is more diverse in the northern section of the wood where elder and bramble abound. The site has a reasonably rich ground layer including some dense areas of bluebells and ramson, and numerous clusters of lesser celandine, ramson, lords and ladies, ivy and honey suckle. A number of wet flushes occur on the site and a stream runs through the wood from the northeast to southwest.

Significance

The wood is a significant landscape and conservation feature within a very urban environment and provides an important habitat for a range of urban wildlife. The importance of the site for wildlife has been acknowledged by Halton Borough Council who have designated it as a Site of Importance for Nature Conservation (Local Wildlife Site).

Along with other nearby Woodland Trust owned woodlands it is part of the local ecological landscape in the area; eight of these woods are within 2km of Clough wood and include 13ha of ASNW and a 5.3ha site of scientific importance (SSSI) at Floodbrook Clough.

Opportunities & Constraints

The close proximity of the woodland to housing (approximately 470m of the boundary backing onto domestic properties) gives rise to tree safety and other boundary related issues which need to be managed and has significant cost implications. This will require tree safety work, stand stability thinning and boundary coppicing periodically which will provide opportunities for natural regeneration and to diversify the woodland structure.

Factors Causing Change

Tree disease, particularly Dutch elm disease and Ash dieback disease will impact on the canopy/ structure/ species mix in some areas.

Tree safety works in high risk zones will result in removal of some mature trees.

Fly tipping, fires and vandalism to trees.

Long term Objective (50 years+)

The long term objective is to maintain the continuity of mixed broadleaved high forest with a diverse structure, age classes and species mix. The wood will be left to develop largely through natural process with succession promoted through natural regeneration, mature trees retained into senescence and standing dead trees will be kept on site to provide important deadwood habitat where it does not compromise public safety. Woodland management will focus on maintaining stand stability and tree safety to reduce long term risks along boundaries and footpaths for public safety. This will create opportunistic gaps in the canopy promoting natural regeneration and structural diversification. Boundary coppicing will be undertaken periodically to maintain a graduated woodland edge structure and to reduce the tree safety/ encroachment liability at the same time as enhancing the biodiversity value of the woodland. Threats to the wood from pests, tree disease and invasive species will be monitored and appropriate action taken to control them where it is practical and achievable.

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

Undertake tree safety inspections as part of the site risk assessment regime for public safety in high risk zones (i.e. by buildings, footpaths and roads) and carry out any remedial work identified. Thinning operations for long term stand stability and tree safety will be carried out during the plan period focusing on boundaries next to housing and along footpaths. Carry out a Woodland Condition Assessment towards the end of the current plan period to assess the health and resilience of the woodland including the mix of species and natural regeneration, to monitor threats from tree disease, pests, non-native invasive species and to take appropriate action where necessary.

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	2.68	Sycamore	1900	High forest	Housing/infrastructure, structures & water features on or adjacent to site, Mostly wet ground/exposed site, No/poor vehicular access to the site, People issues (+tve & -tve), Sensitive habitats/species on or adjacent to site, Services & wayleaves, Very steep slope/cliff/quarry/mine shafts/sink holes etc	Informal Public Access, Natural Secondary Woodland	Community Forest, Local Wildlife Site

The wood is in a south facing clough valley with steep slopes particularly in the southern half of the compartment. It abuts domestic garden fences along the western boundary, a railway line along the northern boundary, farmland along the north eastern boundary and another railway line along the south eastern boundary. The southern boundary adjoins more woodland on an embankment leading to the M56 motorway.

The canopy is dominated by sycamore (approx. 65%) with other mixed broadleaves including oak, beech, ash, elm and cherry. The understorey is patchy in the southern half of the wood and more abundant in the northern section; it is dominated by elder and bramble with hawthorn, hazel, holly, and patchy regeneration of sycamore, rowan, elm, ash and beech. Under planting of ash, beech, elm, wild cherry, and lime was carried out in the 1980s. The wood has an abundant ground flora including bluebells, lesser celandine, nettle, honey suckle, wild garlic, lords and ladies, ivy, bramble, ferns and mosses.

Appendix 2: Harvesting operations (20 years)

Forecast Year	Cpt	Operation Type	Work Area (ha)	Estimated vol/ha	Estimated total vol.
2021	1a	Ride edge Coppice	0.01	200	2
2022	1a	Thin	2.70	15	40
2025	1a	Ride edge Coppice	0.01	200	2

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.