

Appendices

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Appendix I: Consultation Record

Consultee	Date contacted	Date response received	Issue(s) raised	Forest District Response
Local Community Consultation Drop-in (comments from conversations, questionnaires and survey grouped related to topic)	13-16 February 2015	13-16 February 2015	Landscape	
			"Leave the trees natural, don't event thin/ don't change it"	Callendar Wood has been a highly managed woodland for decades and it is our intention to continue this management of the trees through the use of low impact silvicultural systems. Such systems rely on removing a portion of the trees for the benefit of those remaining allowing them to increase their stability and increase their growth as well as encouraging the correct conditions on the ground to promote regeneration ensuring the continuing recruitment of seedlings and saplings through to pole stage and mature trees. If the trees were left unmanaged there would likely be a high level of area with windblown trees as well as the further encroachment

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				of single species and areas of no regeneration due to dense vegetation cover.
			"Please keep the specimen trees"	As part of the wider Garden and Design Landscape as well as the former 'policy' character of the site Forest Enterprise Scotland (FES) intend to retain the large specimen and ornamental trees of various species for as long as possible as well as to identify and manage their potential future replacements.
			"Don't fell the fantastic big pines"	The area of 1940's Scots pine and European larch embody the policy character of the site and are an important element of what people enjoy about the woods. It is FES's intention to encourage regeneration of SP & EL here to eventually replace the mature stand.
			"FCS should showcase the trees more e.g. Have many different pine species"	In keeping with the policy character FES intend to manage both the broadleaves and conifers whilst promoting a variety of specimen species in view of paths and rides however we don't intend to have widespread planting of new conifer species.
			"Open up the views from the high path"	This management plan will retain the wide variety of

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				species and colours enjoyed
			"Improve views out of woods to the hills"	As above
			"Install wider environment signage e.g. Direction arrows pointing to the Helix etc."	FES will continue to explore opportunities to improve signage and interpretation for the benefit of visitors to the wood.
			"Install rubbish bins"	There are presently no plans to install waste bins as these tend to detract from many visitors enjoyment of the 'natural' aesthetic.
			"The park and the woods should all be managed by one organisation"	FES intends to work toward improved communication and increased partnership with our wood and park neighbours to develop a more integrated approach to management for the benefit of the visitor.
			"The lake needs dredging"	This area of the park is out with the management of FES but falls under Falkirk Community Trust.
			Access	
			"Difficult for those with visual impairments to access the woodlands"	The Yew (formerly Yellow) trail has recently been improved to be more easily accessible to all abilities. We will continue to look at making further improvement where appropriate and where funds allow.
			"Disabled parking is muddy"	Vehicle parking to access the

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				woods is not within the wood itself but in the park but we will work with neighbours to explore the potential to improve facilities where possible.
			"It is easy to get lost on the paths"	New path way-marker posts and maps have recently been installed to improve orientation through the wood and we will look to make further improvements where appropriate
			"Can you make paths less boggy?"	Many visitors enjoy the balance between formal surfaced paths and the less formal rides within the woodland and we would look to retain a balance of both, we will however look to improve drainage where necessary to encourage access for various users.
			"Don't make any paths that are too stony for dogs to walk on as it is bad for dogs"	The paths in the woodland are either informal un-surfaced rides or where the paths have been surfaced more formally they are finished with fine material to create a smooth surface.
			"Would like lighting within the wood"	Whilst the safety of visitors is of the highest importance FCS would not wish to detract from the more natural experience of natural daylight and night conditions within

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				the wood both for visitors and wildlife.
			Environment	
			"Need more young trees to encourage more bird life"	The management methods being described in the plan will encourage regeneration of new young trees.
			"Plant new trees due to climate change"	The species being encouraged via the management methods set out in the plan are those suited to the site conditions with a view in the long term to encourage more native broadleaves which should show most adaptability.
			"Great variety and diversity of nature & wildlife"	FES's management of the site will continue to encourage a diverse woodland. In managing the trees this will benefit the diversity of ground flora and in turn the fauna of the wood
			"Love to see deer"	Deer are a natural part of the woodland environment however with no natural predators and their numbers left unchecked they can cause a great deal of damage to the biodiversity of the wood. FES will continue to sustainably manage deer numbers within the wood allowing for a healthy resident population.

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			"Worry that more people visiting would disturb the wildlife"	Whilst FES wish to see more people enjoy the woodlands it would not be at the expense of the wildlife that inhabit it. Increased usage is envisaged to continue to be focused on existing paths and areas of use.
			"Create bug hotels"	It is FES policy to have 'deadwood' within our woodlands. This sustains the food chain for wildlife and provides nooks and crannies for invertebrates. Left over timber from thinnings will also provide this function.
			"FCS should introduce crow and jackdaw control"	Corvids do predate on eggs and nesting juvenile birds however it is not FES policy to control this group of birds other than in special circumstances
			"More wild flowers"	There is a wildflower meadow on Henry's Hill and some wild woodland species within the wood. Woodland flora should be encouraged to develop with more light reaching the woodland floor after thinnings.
			Operations	
			"Don't clear fell"	FES don't intend to clearfell any areas of the wood but rather manage the site using low impact silvicultural

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				systems
			"Thin out the trees"	See above
			"Do not use big machinery; can horse logging be used instead?"	FES intent to use small scale machinery to process and extract the trees minimising the impacts to the ground. Horses may be an option in the future.
			Invasive species	
			"Control the rhododendrons"	It is the national policy to remove the invasive non-native species <i>Rhododendron ponticum</i> across the national forest estate and as such a programme of eradication is in place and as part of that the Rhododendrons within the wood were mulched several years ago and will continue to be sprayed with herbicide to eradicate it entirely. FES is also looking to work with neighbours to remove surrounding Rhododendron bushes to remove the seed source and improve the biodiversity of the area.
			"Keep the rhododendrons"	FES realise that many people love to see brightly coloured flowering species, however in the case of <i>Rhododendron ponticum</i> it is a highly invasive species which unchecked can colonise other

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				areas out-competing and shading out native species to the detriment of native flora and fauna essentially sterilising these areas. As such it is the national policy to remove this species where and when possible.
			"Control the grey squirrels"	As Callendar Wood is not within a Red squirrel stronghold they are not deemed a threat to this species here and therefore there is no driver to control them for that reason. The woodland is also not being managed primarily as a commercial plantation and likewise this is not a driver to introduce Grey squirrel control.
			Heritage	
			"Find a use for the kennels"	It is FES's intention to find a community use for the Kennels.
			"Mausoleum is vandalised and is a no go area"	It is FES's intention to open up views of the mausoleum from Callendar House as well as within the wood and encourage more visitors and discourage antisocial use.
			Recreation	
			"Create natural play areas"	FES intend to create areas for natural play and encourage

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				the use of these areas by children and their parents
			"Play swings for kids"	See above
			"The benches are good"	The recently installed benches along the Yew trail will provide the much requested and needed rest points for visitors to stop and enjoy their surroundings whilst catching their breath.
			"More benches on the upper paths"	FES will investigate opportunities to add rest stop benches where appropriate and when funds allow
			"The woods offer peace and quiet near to the town"	FES's management will maintain this peaceful green retreat just a stone's throw from Falkirk's town centre
			"Don't create a play park"	It is the intention of the district to encourage more organic forms of natural play without installing permanent infrastructure within the wood.
			"Create a trim trail in wood and park"	As above it wouldn't be our intention to install permanent infrastructure but that is not to say that we couldn't explore options to utilise natural features to provide the same function.
			"Don't want a Go Ape in the woods"	FES have no plans for a commercial activity park in the wood
			"Make more paths good for cycling"	The present extensive path network provides a valued

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				experience to visitors and it is not our intention to increase this as it could diminish another valued experience of those using the more informal paths.
Sandy Paterson			Jogging tracks similar to those in Sweden. The tracks are highly organized, there is extensive parking, changing rooms saunas and a cafe at each centre and I think that almost every member of society will use them at some time for running, walking or cross country skiing in winter. There is usually a selection of routes with distances from 2 to 20 kilometres. The routes are simple, wide enough to accommodate 2 runners side by side and are topped in wood chip. I am sure the improved health benefits would make it possible to get grant funding and it might put Falkirk on the map again being the first with such a facility	Whilst encouraging health benefitting activities such as this within the woodland we have however no plans to install the additional infrastructure suggested but that is not to say it isn't something that could be considered in the future as part of a wider initiative.
			No cross country runners in the wood as there are in the park	We encourage health benefitting activity within our woodlands but don't have any plans for any formal events.
			Great photography opportunities	This comment is valued and appreciated and it is

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				envisaged that the management proposed in this plan will improve photography opportunities.
Geoff Morgan			I enjoyed the woods when they were a real example of local wilderness. It's more like Sauchiehall Street these days	When the woods were previously overgrown with Rhododendron and less accessible many local users were keen to see this improved to improve access; FES's work to improve access and make the woods more welcome to a wider cross section have been widely appreciated and as part of our national and district priorities we are committed to keep working to encourage this wonderful resource to be visited and appreciated by more people whilst balancing the aspects of nature and tranquillity that make it so special.
			"Install dog waste bins"	It is not the intention in the district to install dog waste bins as there is a large resource commitment required to manage these as well as their tendency to increase the volume of dog waste bags found discarded out with the bins.
			"There is lots of dog waste bags on hanging from trees"	Discarded dog waste bags are unsightly and put pressure on resources to deal with it and

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				FES will explore options to reduce this activity however installing dog bins can very often make this issue worse.
			Community	
			"Create allotments or community growing area"	This plan outlines the districts desire to encourage a community use for the area around the Kennels which could take the form of a community growing area.
			Have raised flower beds	As above
			"Have organised treasure hunts"	Our Communities, Recreation and Tourism Team regularly hold events such as this as well as Easter Egg hunts, Halloween Events etc.
			Have a café	With a café already available in Callendar House which provides views of the park and wood this is not be an aspiration FES are presently considering as part of this plan.
			"Have a pub with toilet facilities on the edge of the wood."	Having a pub is not an aspiration for the site that would deliver on our key aspirations guided by our national strategic directions. Being a relatively small site with alternative toilet facilities already available in Callendar Park and House, installing toilets is not an option that would be of great

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				benefit to visitors.
			Eco toilets	As above
			"Cyclists go too fast on the trails"	Push bike riders are a group FES would encourage to visit and use the wood but like all visitors we would ask that they respect other users and be mindful of speeds. FES can explore where and if speed limiting infrastructure may be suitable.
			"Reduce motorcycle usage in the woods"	FES will maintain a relatively visible presence onsite to deter motorcycle users and our efforts to encourage others into the wood should also put off motorcyclists due to increased pedestrian presence. The alternative to fence and gate off the site would not be practical or part our vision for the wood.
			"Some areas suffer from anti-social behaviour"	FES are committed to reducing anti-social use within the wood and implementation of this plan will develop further the already good work being done by FES to make the woods a peaceful, safe and welcoming environment for all. Thinning the trees will let in more light, crown lifting will open up views, controlling Rhododendron and Laurel will allow better lines

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				of sight.
			"It feels unsafe in the woods"	As above
			"Create a designated dog run area"	Having an area to allow dogs to run and foul with waste bins within it is a option FES may explore in consultation with the local community and user groups.
			"It's a shame you don't see many horse riders anymore"	Horse riders are a group FES would encourage to visit and use the wood but like all visitors we would ask that they respect other users and be mindful of how they enjoy the woods.
			"Don't want to see horse riders in the wood"	As above
			Don't want too much activity in the wood diminishing the tranquillity	Whilst FES wish to see more people enjoy the woodlands it would not be at the expense of the aspects which make it special. Increased usage is envisaged to continue to be focused on existing paths and natural play areas. Visitor numbers would not be expected to increase dramatically.
			Conserve Mausoleum and Woodend Farm as community hubs	Both the mausoleum and Woodend Farm are out with the ownership of FES and therefore any aspiration to see their functions change would need to be agreed by the relevant landowners. It is

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				not part of this plan or current FES aspirations to approach our neighbours on this.
			Volunteers/Skills	
			"Use the woods to hold Training and Skills courses"	
			"Would like volunteering opportunities that are not just practical conservation tasks"	
			Education	
			"Want to learn more about wildlife (info boards)"	FES will continue to explore opportunities to improve signage and interpretation for the benefit of visitors to the wood.
			"FCS should have info/ display in Callendar House"	Callendar House presently display information on behalf of FES but we will continue to work with both Callendar House and Falkirk Community Trust to look at ways where we might share information more effectively.
			"FCS should host guided walks in wood"	Our community rangers already host guided walks and continue to be happy to be contacted by groups/individuals to host more in the future.
			"Create community art features such as animal sculptures"	This plan proposes to explore opportunities for this.

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			"Have more children's activities to help them learn about nature and wildlife. A leaflet or a trail? In partnership with the Callendar House?"	This plan proposes to explore opportunities for natural play and improved interpretation.
			"School groups should help with under-planting tree species"	This plan proposes involving the local community in becoming more actively involved in the woodland.
			"Have examples of woodland management such as coppicing for education"	We will continue to explain our management practices by advertisement, demonstration and interpretation.
			"Promote education about energy and oxygen. (Calculate how much O ₂ the forest produces and link to coal and oil. Tell the energy story.)"	This is something that may be explored as part of our improved site interpretation.
			"Have a tree nursery on site- to be used as a learning aid so that they understand the life cycle of woodland"	Whilst a dedicated nursery area is not proposed it is hoped that the management of the wood will promote natural regeneration of conifer and broadleaf species which can be used to demonstrate natural processes.
			"Hold woodland craft workshops"	This is something that our community rangers are involved with and will continue with in the future.
			"Make charcoal onsite"	It is not part of our plans to produce charcoal for

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				commercial purposes but our rangers may demonstrate the process as part of the workshops they hold.
<p>Draft Plan Consultation</p> <p>Planning & Environment, Falkirk Council Development Services</p> <p>Phillip Harris – Senior Planning Officer (Landscape)</p>	16/10/2015	12/11/2015	<p>Landscape and General Forestry Issues</p> <p>The site is highly sensitive so far as landscape issues are concerned due to (a) it forming part of the designed landscape of Callendar Park, which is listed in the national Inventory of Gardens and Designed Landscapes in Scotland and (b) its location relative to Falkirk and associated settlements in attracting high visitor usage (as well as the John Muir Way passing through the site) and (c) its role as a local landscape feature of woodland on elevated ground forming a backdrop to the town. It is assumed that Historic Environment Scotland will be commenting on the Management Plan due to the site forming part of a designed landscape.</p>	Noted

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			<p>The low impact silvicultural systems approach is welcomed. Proposed alternatives to clear felling, thinning to reduce the spruce element, selective felling of Sycamore and gradual replacement with broadleaves are welcomed to provide a diverse forest structure for the benefit of landscape conservation and enhancement, recreation value for visitors and for biodiversity value.</p> <p>I have no specific landscape related issues to raise on the proposals; but I would endorse the comments of colleagues relating to the John Muir Way (see below). The following two errors in relation to landscape in the text should be noted:</p> <p>Sect 3.3.1: The text refers to original 1999 Landscape Character Assessment; it should state that the woodland falls into the 'Falkirk / Denny Urban Fringe Landscape Character Area' rather than ' Falkirk / Denny Greenspace' as stated. It is accepted that the guidance relating to forestry for this</p>	<p>Noted</p> <p>Noted and altered in the text</p>
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<p>Richard Broadley – Environment-Co-ordinator & Angus Duncan (Outdoor Access Team Leader)</p>			<p>landscape character area is limited and out dated, so the use of the original assessment is limited in this instance. [This original Landscape Character Assessment document has, in fact, now been updated by Falkirk Council to provide a more detailed and usable landscape character assessment in its Supplementary Guidance SG09: 'Landscape Character Assessment and Landscape Designations', but this latter revision unfortunately excludes the urban areas including Callendar Park and woodland, so is of limited use in this instance].</p> <p>Sect 3.4.2.1: Relating to title of the designed landscape designation: the text should read 'The woodland is part of the wider designed landscape of Callendar Park listed in Historic Environment Scotland's 'Inventory of Gardens and Designed Landscapes in Scotland'.....'</p> <p>Access issues 1. John Muir Way – This is a national trail which is international marketed and</p>	<p>Noted and altered in the text</p> <p>Noted and altered in Appendix II – General Management & Potential Projects Table. SLFD will</p>
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			<p>runs through the site. Recognition: This arguably needs greater recognition within the Management Plan and possibly some actions / recognition of opportunities to better reflect the audience who will walk through Callendar Wood. It is considered that FCS should be aspirational about this unique woodland area on the John Muir Way (for example, through interpretation and artwork opportunities). Consultation with SNH and CSGNT will highlight any specific actions. The section of the John Muir Way in this woodland environment is an ideal opportunity to provide information and interpretation relating to John Muir (possibly in combination with Falkirk Community Trust at the Sequoia grove south of the House or as a sequence of interpretation sites). Extraction: It is understood why the FCS favour the southern access point for extraction as a less urban/ busy route rather than a northern/ parkland/ town edge route; this is welcomed in comparison to northern options. However, the John</p>	<p>explore opportunities with partners such as SNG & CSGN to inform visitors to the wood on the John Muir Way and how best to integrate that into the wider interpretation of the site.</p>
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			<p>Muir Way also runs along this southern extraction route. It is noted that section 5.5.2 covers vehicle / plant access in the wood and that FCS hope to extract via this single route out at Woodend Farm. It is not clear how the impacts of the extraction / access route will affect the John Muir Way at this location (for example, would there need to be a temporary closure or diversion of the route during extraction, for how long and would there be immediate reinstatement?) Publicity on the John Muir Way website about closures/ diversions of sections of the route for forestry operations may be required to ensure users are aware of disruptions during extraction works.</p> <p>2. Woodend Farm– The farm buildings and the land around Woodend Farm on the southern boundary near the access point are Council owned and this area could potentially be developed for social housing with associated infrastructure, which could incorporate or impact upon the area of the</p>	<p>Any upgrade to the Woodend Farm access road would be after prior notification to, and agreement from, Falkirk Council. Users of the route would be notified in advance and diversions put in place using as many forms of advertising as is necessary. Similar notification and safety information would be advertised prior and during any periods of use of the route for timber haulage.</p> <p>Although there are no plans for development of the area mentioned in the adopted or proposed Local Plan we would explore options to mitigate the impact of our operations if the land use of the area around the road changed to become residential.</p>
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<p>Anna Perks – Biodiversity Officer</p>			<p>access road into Callendar Wood and the John Muir Way. Timber extraction operations could also have the potential to impact on residential amenity and safety, so appropriate separation / buffer screen planting may need to be considered in the area. Whilst there are currently no firm proposals, the Council Architects acting for Housing Services will need to enter into an early dialogue with the Forestry Commission to ensure the impacts on the woodland extraction access route and on the John Muir Way are incorporated into any future proposals.</p> <p>Biodiversity Issues No further comments</p>	<p>Noted</p>
<p>Stakeholders contacted by SLFD</p> <ul style="list-style-type: none"> • Falkirk Council • Falkirk Community Trust • Central Scotland Green Network Trust • Falkirk Community Volunteer Services • Scottish Waterways Trust 			<p>No comments received</p>	

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<ul style="list-style-type: none">• Falkirk Area Disability Access Panel (FADAP)• Police Scotland• Forth Valley College• Forth Environment Link• Trust for Conservation Volunteers• Historic Scotland• SNH• RSPB• Buglife• Urban Warriors (Volunteer Group)• Other various interested individuals				
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Appendix II: General Management & Potential Projects

Aspect	Feature	Aspiration	Task	General Management / Potential Project	Owner	Map Annotation	Occurrence	Status Monitoring (Y/N)	Monitoring occurrence
Access	Path verges & rides	Maintain for amenity and habitat value and for longevity of path.	The extensive network of paths, rides and roads will be managed primarily for access and will be enhanced as habitats where possible. Flail/Mow/Strim rides and pathside edges for amenity of the site and to maintain path in good condition. Path edge spraying may also be undertaken if necessary	General Management	Communities Recreation & Tourism	Manage pathside verges	As per internal Callendar Wood Site Maintenance Plan	Y	Annual
Access	Operational Access	Improve operational access for ongoing silviculture and operational site management	Identify those with shared access and liaise with them to agree upgrading the road for timber access.	Potential Project	Planning/Communities Recreation & Tourism/Forest Management/Civil Engineering	Approach neighbours with shared access to agree improvements to the road in from New Hallglen Rd	Within 1st 5 years of plan	N	n/a

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Access	Directional signage	Enable easy orientation for visitors to the site.	Explore way to improve onsite orientation which will support the Callendar leaflets and hopefully make the woodland more accessible. Leaflets will be distributed to advertise the wood and encourage visitors. Waymarkers will be included in a regime of inspection to check for damage or removal	General Management	Communities Recreation & Tourism		Ongoing	Y	Annual
Access	Entrances	Maintain formal access points	Entrance points, nodal zones, furniture, waymarkers and signage will be maintained by keeping them free of encroaching scrub and litter to make them as attractive and inviting as possible. Barriers will also be maintained.	General Management	Communities Recreation & Tourism	Manage entrances	As per internal Callendar Wood Site Maintenance Plan	Y	Annual

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Access	Ride drainage	Maintain ride integrity and access as part of wider path network	The drainage of the Black Hole ride and Mausoleum ride will be improved as work progresses to open up the mausoleum, further management will be considered including mowing the access path and selective thinning of the adjacent visitor zone.	General Management	Communities Recreation & Tourism; Forest Management		As per internal Callendar Wood Site Maintenance Plan	Y	Annual
Access	Path verges	Maintain for amenity and habitat value and for longevity of path.	Wildflower planting will be considered in suitable areas.	Potential Project	Communities Recreation & Tourism		If any wildflower planting established annual cut and lift would tie in with general path strimming	Y	Annual
Access	Path drainage	Maintain functionality and safeguard integrity of path infrastructure	Culverts will be cleared and maintained for drainage to prevent path wash out	General Management	Communities Recreation & Tourism		As per internal Callendar Wood Site Maintenance Plan	Y	Annual

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Biodiversity	Ground competition	Improve biodiversity of woodland flora & fauna	Control ground vegetation within various specific managed enrichment areas. Use of various means to control spread of bracken & bramble to allow establishment of enrichment planting/natural regeneration. Potentially use volunteers to aid the reestablishment of other ground flora such as bluebell and the regeneration of native trees	General Management	Forest Management, Environment & Heritage; Communities Recreation & Tourism		Year 1 (cut/roll/flail) x 2 or 3 to eradicate in both May/Jun and Jul/Aug Year 2-6 at least 1 (cut/roll/flail) each growing season.	Y	Annual
Biodiversity	Wildflower Meadow	Maintain/improve the condition of the habitat on Henry's Hill for biodiversity	Cut and lift of sward in a mosaic of cut and uncut patches. Remove material from site where possible.	General Management	Environment & Heritage	Maintain grassland habitat	1 Cut and Lift per annum	Y	Annual

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Biodiversity	Deadwood potential	Increase the Amount and Variety of Deadwood	Some large, old trees will be selected for permanent retention Some windblow will be left where it lies. 'Snags' will be left where they stand to decay over time or will be left on the ground unless public safety is at risk.	General Management	Environment & Heritage/Forest Management/Communities Recreation & Tourism		Ongoing	Y	Annual
Biodiversity	Specimen trees	Retain and Maintain Numbers of Old and Veteran Trees	Older specimens should be selected for retention into old age as veterans.	General Management	Communities Recreation & Tourism/Environment & Heritage		Ongoing	Y	Annual
Biodiversity	Open scrub	Maintain Scrub as a Dynamic Feature of the Woodland Structure	Scrub will be a perpetual feature of Callendar Wood through management to create a diverse woodland structure and habitat.	General Management	Environment & Heritage/Planning		Ongoing	Y	Annual
Biodiversity	Invasive non-native species	Eradicate invasive non-native species flora	Continue the programme of clearing and treating invasives i.e. Rhododendron ponticum & Himalayan Balsam	General Management	Environment & Heritage		Ongoing	Y	Annual

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Education	Teaching areas	Creation of semi-formal teaching areas to encourage use by schools	Create area(s) that can be used easily for school groups for education areas. Involve the schools in the design and maintenance	Potential Project	Communities Recreation & Tourism		Within 1st 5 years of plan	Y	Quarterly
Education	Interpretation of various aspects of the wood including wildlife, habitats, silviculture & heritage.	To enable visitors to the site to better appreciate the features within the wood.	Interpretation will enhance education provision in the woodland. Co-operate with organisations such as Falkirk Council, CSGN SNH, local schools and the community groups to develop further interpretation which could include site, web or other based learning material. SLFD recognises the importance of the John Muir Way running through the site and we will explore, with partners such as SNG & CSGN, ways and opportunities to best inform visitors to the wood on the John Muir Way whilst	Potential Project	Communities Recreation & Tourism		Within 1st 5 years of plan	Y	Annual

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			integrating it into the wider interpretation of the site.						
Education	Art features	To encourage exploration and imagination within the wood.	Art projects may help to create community ownership. Explore opportunities to employ art installations as a means to improve the visitor experience	Potential Project	Communities Recreation & Tourism		Within 1st 5 years of plan	Y	Annual
Health & safety	Path network	Preserve the safety of visitors to the wood.	Paths will be included in a regime of safety inspection for dangerous trees, blockages and windblown trees and action will be taken as necessary. Paths will be checked for surface damage, ruts, drainage problems and repairs made as necessary.	General Management	Communities Recreation & Tourism		As per Callendar Wood Site Maintenance Plan.	Y	Annual

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Heritage	Specimen trees	Ensure the long-term presence of a similar number of ornamental/exotic "specimen" trees to enhance aesthetic interest within wood	Across the site specimen trees will be identified and retained for as long as possible and potential future replacements identified and managed. Space around newly selected specimens will be made providing room to mature. Young ornamental and exotic trees will be identified and either left to grow in situ or transplanted to a more suitable site for growth or for visibility within the landscape. Species that will not regenerate naturally will be replaced by other means.	General Management	Environment & Heritage/ Communities Recreation & Tourism		Ongoing	Y	Annual
Heritage	Avenues trees	Retain avenues and plan to replace as trees senesce	Create a plan for the phased replacement of Avenue Trees	General Management	Environment & Heritage/ Communities Recreation & Tourism		Ongoing	Y	Annual

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Heritage	Carriageways	Maintain carriageways	The condition of carriageways will be monitored and repairs to the surface and drainage will be completed when necessary. Roadside specimen planting will be planned to maintain a similar range of tree and shrub species so that there is no prolonged loss of continuity.	General Management	Environment & Heritage/ Communities Recreation & Tourism		Ongoing	Y	Annual
Heritage	Former Estate Boundary Wall	Conserve former estate features	The wall will be routinely inspected for safety reasons and dangerous sections will be made safe. There will be a presumption in favour of using stone but brick or fencing will also be considered. Opportunities will be explored for the funding of more extensive repairs to the boundary wall.	General Management	Environment & Heritage/ Communities Recreation & Tourism		Ongoing (also refer to Callendar Wood Site Maintenance Plan for vegetation management of structures)	Y	Annual

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Heritage	Former Estate Boundary Wall	Conserve former estate features	Explore the potential for voluntary stonemason conservation work to former estate wall	Potential Project	Environment & Heritage/ Communities Recreation & Tourism	Explore the potential for voluntary stonemason conservation work to former estate wall	Within 1st 5 years of plan	Y	Annual
Heritage	Water House	Conserve former estate features	The Water House will be kept free of encroaching trees and shrubs, and if necessary casual damage by the public prevented.	General Management	Environment & Heritage/ Communities Recreation & Tourism		Ongoing (also refer to Callendar Wood Site Maintenance Plan for vegetation management of structures)	Y	Annual
Heritage	Mine Marker Stones	Conserve former estate features	The marking of features on operational maps via GIS, for inclusion in Risk Assessments for forestry and other operations. Re-erection of fallen stones. Marking of four corners around suspected shaft sites with permanent wooden posts, to increase visibility to machinery. Maintaining markers free of encroaching vegetation. Shaft sites will be inspected	General Management	Environment & Heritage/ Communities Recreation & Tourism		Ongoing	Y	Annual

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			annually for signs of collapse or subsidence and the markers will be maintained.						
Heritage	Historic Drainage system	Conserve former estate features	Drains will be maintained as required to prevent unwanted water-logging in the woodland or adjacent to rides, paths and carriageways. Sections of drain may be left un-cleared in accordance with any biodiversity objectives identified from time to time Falkirk Council will be consulted regarding drainage works that may directly affect Callendar Park.	General Management	Environment & Heritage/ Communities Recreation & Tourism		Ongoing (also refer to Callendar Wood Site Maintenance Plan for vegetation management of structures)	Y	Annual
Heritage	Former Estate Kennels	Conserve former estate features	Monitor the condition of various former estate features and take steps to protect if necessary	General Management	Environment & Heritage	Conserve former estate features such as kennels, boundary wall, mausoleum & observatory.	Ongoing	Y	Annual
Heritage	Iron Age Hill Fort	Conserve iron age fort	Monitor the condition of feature to prevent	General Management	Environment & Heritage	Conserve the iron age fort	Ongoing	Y	Annual

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			deterioration						
Landscape	Henry's Hill	Improve aesthetic, appreciation and use of Henry's Hill	The Henry's Hill open grassland will continue to be managed as such in the long term with some softening of the current abrupt edge between open ground and woodland. Individual trees will be planted irregularly around edge of open ground on Henry's Hill also enhancing biodiversity and providing visual interest.	General Management	Environment & Heritage/Communities Recreation & Tourism	Improve transition between woodland and grassland whilst retaining open character	Within 1st 5 years of plan	Y	Annual
Landscape	Forbes Family Mausoleum	Improve the Visibility of the Mausoleum within the Local Landscape	Create and execute a plan for the targeted removal of trees from the Mausoleum area	Potential Project	Planning/Forest Management/Communities Recreation & Tourism/Environment & Heritage	Create and execute a plan for the targeted removal of trees from the Mausoleum area so it may be seen from Callendar House & Park.	Within 1st 5 years of plan	N	n/a
Landscape	High Road views	Retain the View from the High Road	Retain the view from the High Road from near the Observatory site	General Management	Communities Recreation & Tourism	Retain the view from the High Road from near the Observatory site	Within 1st 5 years of plan	N	n/a

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Promotion	Local community	Increased use of the wood by local community	Continue to forge relationships and partnership with local schools and groups to encourage events, activities, education and appreciation of the woods. Work with Falkirk Community Trust to encourage movement of People between Callendar Park and Callendar Wood and improve the overall visitor experience.	General Management	Communities Recreation & Tourism		Ongoing	Y	Annual
Promotion	Local community	Increase community involvement in the wood	Investigate potential to have an area of the woodland down by the kennels set aside to be used and managed in partnership with the community.	Potential Project	Communities Recreation & Tourism	Explore opportunity for community project area	Within 1st 5 years of plan	N	n/a
Promotion	Local community	Improve visitor experience	Explore the creation of areas within the wood for natural play where children can interact with nature.	Potential Project	Communities Recreation & Tourism	Explore suitable areas to encourage natural play	Within 1st 5 years of plan	N	n/a

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Promotion	Anti-social behaviour	Improve visitor experience	Discuss with neighbours and partners options to discourage antisocial use of the woods particularly around the mausoleum site	Potential Project	Communities Recreation & Tourism	Discourage antisocial usage in the wood particularly around the mausoleum.	Within 1st 5 years of plan	N	n/a
Promotion	Litter	Improve visitor experience	litter blown or dropped into the wood should be removed	General Management	Communities Recreation & Tourism		As per internal Callendar Wood Site Maintenance Plan	Y	Quarterly
Promotion	Waste material	Improve visitor experience	remove large items of waste/fly-tipping.	General Management	Communities Recreation & Tourism		As per internal Callendar Wood Site Maintenance Plan	Y	Quarterly
Silviculture	Non-FCS woodland	synchronise management of adjacent woodland	liaise with Falkirk Community Trust and Falkirk Council Housing Dept. to agree terms and conditions	Potential Project	Communities Recreation & Tourism/Environment & Heritage	Explore management options for non-FCS woodland	Within year 1 of plan	N	n/a

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Silviculture	Native woodland	Maintain and improve areas of existing woodland of semi-natural character	The areas of existing woodland of semi-natural character that will be maintained and improved. Plots will be identified where ground vegetation will be controlled, natural regeneration of unwanted species removed and appropriate preparation of the seedbed to encourage natural regeneration of native species, and/or enrichment planting of local native trees or seed such as acorns.	General Management	Forest Management/Environment & Heritage/Planning		7-10 years	Y	Annual
Silviculture	PAWS	Gradual restoration of PAWS to native broadleaf woodland	Areas designated as PAWS will be restored to native woodland status but very gradually in order to maintain continuous cover and to allow advocates of the site to become comfortable	General Management	Forest Management/Environment & Heritage/Planning		7-10 years	Y	Annual

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			with the change.						
Silviculture	PAWS	Retain 'policy' character of the wood enabling a smooth transition to the eventual restoration to native woodland	Conifer stands being retained over a longer timescale will be managed using LISS. Where natural regeneration of successor softer conifers is unsuccessful appropriate native broadleaves and/or alternate conifers will be planted.	General Management	Forest Management/Environment & Heritage/Planning		7-10 years	Y	Annual
Silviculture	Harvesting operations	Maintain a healthy woodland	FM thinning operation	General Management	Forest Management		7-10 years	Y	Annual
Silviculture	Unwanted natural regeneration	Remove unwanted regeneration of sycamore and sitka spruce.	Use volunteers to remove regeneration seedlings and saplings of species such as sycamore and sitka spruce which may hinder preferred species such as oak, pine and larch.	General Management	Communities Recreation & Tourism		Within 1st 5 years of plan	Y	Annual

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Appendix III: Tolerance Table

	Adjustment to felling coupe boundaries	Timing of restocking	Change to species	Windthrow response	Adjustment to road lines
FC Approval not normally required (record and notify FC)	<10% of coupe size.	Up to 5 planting seasons after felling (allowing fallow periods for hylobius).	Change within species group E.g. Scots pine to birch, Non-native conifers e.g. Sitka spruce to Douglas fir, Non-native to native species (allowing for changes to facilitate Ancient Woodland policy).	Low sensitivity area Where windthrow represents more than 60% of the crop the area including standing trees may be felled plus up to 5Ha beyond in order to seek a windfirm edge.	Low sensitivity area Creation of turning points/ loading bays. Deviation of <100m either side of the predicted centre line of the road/ track. High sensitivity area Deviation <75m in either direction from centre of road/track.
Approval by exchange of letters and map	10-15% of coupe size.	5 years +	Change of coupe objective that is likely to be consistent with current policy (e.g. from productive to open, open to native species).	Low sensitivity area As above to include 5-10 Ha of standing crop to seek a windfirm edge. Areas where windthrow represents <60%. High sensitivity area Areas where windthrow represents <60%.	Low sensitivity area Deviation of 100-150m in either direction from centre of road/track. High sensitivity area Deviation of 75-100m in either direction from centre of road/track.
Approval by formal plan amendment	>15% of coupe size.		Major change of objective likely to be contrary to policy, E.g. native to non-native species, open to non-native,	Low sensitivity area As above. Windblown area + an area >10 Ha to find a windfirm edge. High sensitivity area Felling of standing trees beyond the area of windblow.	Deviations exceeding the above.

Appendix IV: Management Plan Brief

Key Background Information

- Callendar Wood covers almost 95 hectares of mixed woodland situated to the south of the town of Falkirk on the northern edge of the Slamannan plateau as it descends to the Forth Estuary.
- This management plan is a revision of the previous plan approved in 2007, and aims to balance the age structure and maintain the diverse species makeup of the forest, as well as creating and working towards management objectives that relate to the Scottish Lowlands Forest District Strategic Plan.
- Elevation rises from slightly below 50m where the woodland meets Callendar Park to 110m along the southern boundary by the suburb of Hallglen. Relatively fertile soils, primarily Brown surface-water gleys [FC soil code: 7b] predominate across the site.
- The prevailing warm, moist climate is conducive to the continued potential for good growth of a wide variety of tree species, aided by the topography providing a reasonably sheltered site. Climate change predictions suggest that the climate will become generally warmer, with drier summers and wetter winters which should be borne in mind.
- Currently approximately 93% of the site is under woodland cover, with the remaining open ground concentrated primarily on Henry's Hill to the south west of the site. Around 49% of the wooded area is conifer and 51% is broadleaved.
- The current age structure is split into the following phases: 2% establishment (0-10 years), 4% thicket (11-20 years), 4% pole stage (21-40 years), 26% mature (41-60 years) and 64% old forest (61+ years). This identifies that there is a lack of successor woodland coming through and the need to better balance the phases of growth across the wood.
- Approximately 57.8 Ha of the site is designated as Plantation on Ancient Semi-Natural Woodland Sites (PAWS) with a further 17.8 Ha of remaining Ancient Semi-Natural Woodland.
- In 2002 certain areas of the woodland were thinned although many other areas should have either been thinned or selectively felled before now. Despite the previous plan highlighting future management using Alternative to Clearfell (ATC) and mentioning future small scale felling and thinning no such operations have taken place.

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- Access across the site is constrained by the high amenity use of the wood by the local community, numerous heritage and conservation sites as well as the lack of a road network serving the entire site wood suitable for timber transport.
- Callendar Wood is the most visited woodland within the district. The wood adjoins the neighbouring Callendar House and Park and together they formerly comprised Callendar Estate. The woodland benefits from the resultant footfall of visitors to the park as well as welcoming a wide variety of user groups such as walkers, dog walkers, cyclists, horse riders, nursery & school groups who come to appreciate, and benefit from, the wood for itself.
- Landscape design is an important consideration as the woodland provides an established green backdrop to Falkirk which can be viewed from various locations on the plain of the Forth Estuary particularly the M9 corridor and the recently created Helix visitor attraction. Views within and out-with the wood will also be an important consideration for the benefit of visitor appreciation and safety.
- Since 2007 the woodland and park together have been listed on Historic Scotland's Inventory of Gardens and Designed Landscapes. Its designation is due to its large 18th and 19th century informal parkland landscape, with its long and complex history dating from the construction of the Antonine Wall in 142 AD. It is also a well preserved designed landscape in an area of great urban pressure.
- Various heritage features are situated within the wood such as; the former estate boundary wall and kennels, the Category 'A' listed Forbes Mausoleum, a prehistoric hill fort, a series of earthen banks, mines as well as several other features.
- The woods are an important resource for native wildlife and the following species have previously been recorded in Callendar Wood: (Priority species) *Pipistrelle bat*, *Song thrush* *Bullfinch*; (Species of Conservation Concern) *Hedgehog*, *Badger*, *Roe deer*, *Sparrowhawk*, *Kestrel*, *Woodcock*, *Tawny owl*, *Great spotted Woodpecker*, *Treecreeper*, *Blue tit*, *Great tit*, *Common frog*, *Common toad*, *bluebell*; (Locally Important Species) *Wych elm*.
- Browsing damage on regeneration and establishment trees will be an issue due to the resident population of Roe deer. The location and high public use of the wood means deer control here is highly sensitive.

2. Strategic Priorities

The work of FES is guided by the Scottish Forestry Strategy 2006, which set out seven Key Themes:

- *Climate Change*
- *Timber*
- *Business Development*
- *Community Development*
- *Access & Health*
- *Environmental Quality*
- *Biodiversity*

Since 2006 the purpose of the estate has evolved slightly and has been re-characterised in: [The Role of Scotland's National Forest Estate and Strategic Directions 2013 – 2016](#), which sets out six aspirations that the National Forest Estate is:

- **Healthy** - achieving good environmental and silvicultural condition in a changing climate
- **Productive** - providing sustainable economic benefits from the land
- **Treasured** - as a multi-purpose resource that sustains livelihoods, improves quality of life, and offers involvement and enjoyment
- **Accessible** - local woodlands and national treasures that are well promoted, welcoming and open for all
- **Cared for** - working with nature and respecting landscapes, natural and cultural heritage
- **Good value** - exemplary, effective and efficient delivery of public benefits

In light of the new national strategic directions, Scottish Lowlands Forest District revised the District Strategic Plan, producing the [Scottish Lowlands Forest District Strategic Plan \(2014-2017\)](#), which draws on the six aspirations and sets out the key national commitments and what district specific actions are to be taken to achieve them.

In preparing the Brief and Objectives for this Land Management Plan (LMP), issues were considered against these revised 'Key Commitments' and assessed for their importance

3. Key Drivers & Draft Management Objectives

On the basis of the key information, and given the considerations outlined above, a series of drivers have been identified in order to produce the management objectives proposed for Callendar Wood.

Key Aspiration – Healthy

The potential impacts of climate change and the potential threat from current and/or future pests and disease means uncertainty to the future make-up of the forest. Changes in storm frequency and intensity may increase the risk of windblow, while drier and warmer summers might increase the risk of drought. Increasing trade importation from across the world, facilitating pest and disease movement, is likely to lead to more risk of new threats arriving on our shores. The current wide range of tree species is well placed to lessen the negative effects of either however across the site pests such as Oak Processionary Moth, Oak pinhole borer and diseases such as Acute oak decline, Chalara Ash dieback, *Dothistroma Needle Blight* and *Phytophthora ramorum* could potentially have a substantial impact on the health of the wood should they become virulent amongst the crops.

The woodlands have a long history of management stretching back to medieval times which has included the production of oak by coppice as well as Scots pine saw logs. Latterly the woodland served as an ornamental policy wood for Callendar House and has had little silvicultural input other than rhododendron clearance, small thinning operations resulting in places with a propensity of senescent trees where regeneration is being hindered by unsuitable light levels, competition from dense ground vegetation including sycamore spreading through the wood and deer browsing. The condition and position of the site means use of low impact silvicultural systems (LISS) for its future management would be appropriate.

Management Objectives:

Maintain the diversity of species to enhance the resilience of the woodlands to the impacts of predicted climate change and the threat from pests and diseases.

Thin the plantation crops over several phased interventions moving toward eventual future management by means of low impact silvicultural systems across the site specifically group selection, single tree selection and uniform shelterwood.

*Control spread of invasive species such as *Rhododendron ponticum* & *Himalayan balsam**

Key Aspiration – Productive

Whilst the woodland has previously produced Scots pine timber and anecdotally oak coppice the future for this woodland, given its community amenity value and limited timber traffic access, is best suited to producing relatively small volumes of firewood from thinnings, niche market boles of species such as oak and ash. In addition there will continue to be reducing levels of pulp, chip, bars and saw-logs from current and regenerating conifer crops.

Management Objectives:

Increase the proportion of timber suitable for niche markets through appropriate silviculture and tending.

Improve vehicle access to the wood from Woodend Farm road and create a new turning and timber stacking area near that south eastern entry to the wood.

Sustainably manage the deer population in order to minimize leader browsing on regenerating crops.

Key Aspirations – Treasured and Accessible

Callendar Wood is the most popular woodland in Scottish Lowlands Forest District and this in part is due to its proximity to several local communities and the popular Callendar Park and House but is also in part to the excellent work done by FE in clearing large swathes of *Rhododendron ponticum* as well as improving sections of paths and opening up key nodal welcome management areas. Such work has gone a long way to improving views within the wood as well as its character making them more popular with dog walkers, mountain bikers and horse riders.

Management Objectives:

Build on the 2010 Visitor Experience plan to explore how best to add value to visitors appreciation and understanding of Callendar Wood.

Develop contacts within, and involvement of, the local communities and schools in developing opportunities such as gardening projects, orchards and promoting volunteering and skills opportunities.

Liaise with Callendar Estate and Falkirk Community Trust to agree a plan to best preserve the Forbes Family Mausoleum, in turn reducing anti-social activity.

Investigate collaborating with stonemasonry groups fostering the mutual benefit of practical training experience for apprentices and having repairs to the boundary wall carried out.

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Install informal natural play areas and art features to encourage children and adults to engage with the woodlands.

Key Aspiration – Cared for

The woodland itself has had little recent management other than light thinnings in 2002, the removal of dangerous trees, Rhododendron and some enrichment planting with continued deer control. The opening up of the woodland floor to the light from these operations has seen the emergence of regeneration in some areas however this is restricted for the most part by dense canopy cover from older crops, competition from ground vegetation such as bracken and blackberry and heavy deer pressure.

Amongst the broadleaf portion of the wood the areas of mature oak form the largest proportion however the conditions on the woodland floor have been most suited to shade tolerant species and as such sycamore regeneration has been prolific in certain areas and is beginning to increase its spread where it would be preferable to maintain and promote oak and birch regeneration.

Amongst the conifers element of the wood the spruces predominate within the heart of the woodland and in places where no thinning has taken place create dense, darker areas which are less inviting to visitors.

Work to renovate the Kennels was begun several years ago and more work planned. There is also on-going maintenance of the former estate policy wall is carried out on an as required basis along with the removal of trees which might cause a threat of further damage to the wall.

Management Objectives:

Maintain the diversity of broadleaves and conifers which contribute to the 'policy' character of the Callendar designed landscape.

Balance out the phases of growth, increasing the proportion of establishing and thicket age ranges.

Preserve and improve where possible views within and out from the wood such as the views from the high road and Henry's Hill.

Protect known historic features such as the Kennels, the former estate boundary wall and the prehistoric hill fort.

Restore areas identified as PAWS to native woodland gradually potentially over several rotations using appropriate silviculture.

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Maintain key features and habitat conditions such as retaining a good proportion of veteran trees for bats and deadwood for biodiversity.

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Appendix V: Objective Appraisal, Monitoring & Evaluation

The table below helps determine and communicate how to appraise the Land Management Plan Proposals and how to monitor the progress of the Land Management Plan as the proposals are implemented as forest operations on the ground.

Key Aspiration	Objective	Assessable Criteria	Appraisal Method	Monitoring Method	Monitor Where	Monitor When	Monitor Who	Record Monitoring Where	Evaluation. <i>How does the Appraisal and Monitoring method inform current & future proposals? If you cannot answer this question then the methods may not be appropriate.</i>
Healthy	Maintain the diversity of species to enhance the resilience of the woodlands to the impacts of predicted climate change and the threat from pests and diseases.	Tree Species	Changes in species types, ages, proportions & distributions	Site survey SCDB Query	Onsite SCDB Query	After operations and at appropriate intervals e.g. mid-term and 10 year reviews	Planning Forester	Against the LMP	Monitoring the diversity of species and structure of the canopy will allow for comparisons to be made overtime which will inform the planning forester as to whether the plan is working and whether adjustments are required allowing the district to adjust expectations and business plan for alternative management methods.

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Healthy	Thin the woods over several phased interventions moving toward eventual future management by means of low impact silvicultural systems specifically group and single tree selection.	Timber production	Production Forecast	Record post thin figures SCDB Query	Onsite Sales Recording Package SCDB	After operations and at appropriate intervals e.g. mid-term and 10 year reviews	Planning Forester	Against the LMP	By monitoring the implementation of silvicultural thinning interventions the planning forester can demonstrate to stakeholders that the interventions are delivering the desired outcomes and if not allow the planning forester to take the necessary steps to achieve the desired outcome.
Healthy	Control spread of invasive species such as Rhododendron ponticum & Himalayan balsam.	Species	Changes in species types, proportions & distributions	Site survey	Onsite	Annually and at appropriate intervals e.g. mid-term and 10 year reviews	Environment Manager	Forester Tactical Planner Module	By monitoring control of invasives the Environment Manager can demonstrate to stakeholders that the interventions are delivering the desired outcomes and if not allow the Environment Manager to take the necessary steps to achieve the desired outcome.

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Productive	Increase the proportion of timber suitable for niche markets through appropriate silviculture and tending.	Timber production	Production Forecast	Record post thin figures	Onsite Sales Recording Package	After operations and at appropriate intervals e.g. mid-term and 10 year reviews	FM WIAT Forester	Against the LMP	Monitoring the volumes and quality of timber produced and levels of income received will allow the FM WIAT Forester to gauge what returns might be expected from future interventions and which customers would most likely be interested. This monitoring also allows the FM WIAT Forester and Planning Forester to gauge the quality of conditions and whether future crops might fetch improved revenues if managed correctly.
Productive	Improve vehicle access to the wood from Woodend Farm road and create a new turning and timber stacking area near that south eastern entry to the wood.	Access Road	Upgrading of road and creation of a new stacking area	Road inspection	Onsite	After operations and at appropriate intervals e.g. mid-term and 10 year reviews	Planning Forester	Against the LMP & Forester Roads Module	By monitoring whether road improvements have occurred the Planning Forester can demonstrate to stakeholders that the improvements are delivering the desired outcomes and if not allow the Planning Forester to take the necessary steps to achieve the desired outcome.

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Productive	Sustainably manage the deer population in order to minimize leader browsing on regenerating crops.	Regeneration establishment Deer Population	Leader Browsing	Site survey SCDB Query Deer Pop Survey Thermal Imaging Survey	Onsite SCDB Impact monitoring form	After operations and at appropriate intervals e.g. mid-term and 10 year reviews	FM WIAT Forester Wildlife Manager	SLFD Deer Overview Map Thermal Imaging Po Spreadsheet NNR Survey by SCL Impact monitoring form	Monitoring leader browsing by deer allows the FM WIAT Forester and Wildlife Manager to establish whether future establishment of natural regeneration is likely to be successful or whether further methods of protection are required and therefore factored in to business planning.
Treasured and Accessible	Build on the 2010 Visitor Experience plan to explore how best to add value to visitors appreciation and understanding of Callendar Wood.	Visitors & Public Opinion	Visitor numbers Survey users	Gate counters Visitor survey(s)	Onsite Online In community	On-going engagement with communities and at appropriate intervals for gate counts and mid-term and 10 year review	Recreation Manager	People counter data & Evaluation Feedback Forms folders in CRT2 folder within Management unit folders	By monitoring visitor numbers and seeking their feedback on the woods the recreation manager can evaluate whether numbers are increasing and if so if those increased numbers can be confidently attributed to improvements made to the visitor experience of the woods. Visitor feedback will also allow for opportunity to learn where further improvements can be made and if necessary factored in to future business plans.

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Treasured and Accessible	Develop contacts within, and involvement of, the local communities and schools in developing opportunities such as gardening projects, orchards and promoting volunteering and skills opportunities.	Local community involvement	Contact lists numbers. Event & Project activity	Contact list check, number of events/projects progressing	Within the local community	On-going engagement with local stakeholders	Recreation Manager/Beat Forester	Against the LMP & Site contact list	By monitoring when and who we have contacted as well as what events and projects are being progressed the CRT Manager can evaluate how active we have been in engaging with local community as well as being better able to plan budgets for upcoming events/projects.
Treasured and Accessible	Liaise with Callendar Estate and Falkirk Community Trust to agree a plan to best preserve the Forbes Family Mausoleum, in turn reducing anti-social activity.	Partner Engagement	Contact lists, project activity	Contact list check, project progress	Onsite	On-going engagement with local partners	Recreation Manager/Environment Manager	Against the LMP	By monitoring when and who we have contacted as well as if a project is being progressed the CRT/Environment Manager can evaluate how active we have been in engaging with potential partners as well as being able to plan budgets for any necessary maintenance work.
Treasured and Accessible	Investigate collaborating with stonemasonry groups fostering the mutual benefit of practical training experience for apprentices and having repairs to the boundary wall carried out.	Potential Partner Engagement	Contact lists, project activity	Contact list check, project progress	Onsite	On-going engagement with local potential partners	Recreation Manager/Environment Manager	Against the LMP	By monitoring when and who we have contacted as well as if a project is being progressed the CRT/Environment Manager can evaluate how active we have been in engaging with potential partners as well as being able to plan budgets for any necessary maintenance work.

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<p>Treasured and Accessible</p>	<p>Install informal natural play areas and fantasy art features to encourage children and adults to engage with the woodlands.</p>	<p>Visitors & Public Opinion</p>	<p>Visitor numbers Survey users</p>	<p>Gate counters Visitor survey(s)</p>	<p>Onsite Online In community</p>	<p>On-going engagement with communities and at appropriate intervals for gate counts and mid-term and 10 year review</p>	<p>Recreation Manager</p>	<p>People counter data & Evaluation Feedback Forms folders in CRT2 folder within Management unit folders</p>	<p>By monitoring visitor numbers and seeking their feedback on the woods the recreation manager can evaluate whether numbers are increasing and if so if those increased numbers can be confidently attributed to improvements made to the visitor experience of the woods. Visitor feedback will also allow for opportunity to learn where further improvements can be made and if necessary factored in to future business plans.</p>
<p>Cared For</p>	<p>Maintain the diversity of broadleaves and conifers which contribute to the 'policy' character of the Callendar designed landscape.</p>	<p>Tree species</p>	<p>Changes in species types, ages, proportions & distributions</p>	<p>Site survey SCDB Query</p>	<p>Onsite SCDB</p>	<p>After operations and at appropriate intervals e.g. mid-term and 10 year reviews</p>	<p>Planning Forester</p>	<p>Against the LMP</p>	<p>Monitoring the diversity of species and structure of the canopy will allow for comparisons to be made overtime which will inform the planning forester as to whether the plan is working and whether adjustments are required allowing the district to adjust expectations and business plan for alternative management methods.</p>

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Cared For	Balance out the phases of growth, increasing the proportion of establishing and thicket age ranges.	Age structure	Changes in species types, ages, proportions & distributions	Site survey SCDB Query	Onsite SCDB	After operations and at appropriate intervals e.g. mid-term and 10 year reviews	Planning Forester	Against the LMP	Monitoring the diversity of species and structure of the canopy will allow for comparisons to be made overtime which will inform the planning forester as to whether the plan is working and whether adjustments are required allowing the district to adjust expectations and business plan for alternative management methods.
Cared For	Preserve and improve where possible views within and out from the wood such as the views from the high road and Henry's Hill.	Landscape	Survey users	Visitor survey	Onsite Online In community	At mid-term and 10 year review	Recreation Manager	Evaluation Feedback Forms folders in CRT2 folder within Management unit folders	By seeking visitor feedback on the woods the recreation manager can evaluate what affect visitor zone management and operation thinnings have had on visitor appreciation of the sites and also learn where further improvements can be made and if necessary factored in to future business plans.

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Cared For	Protect known historic features such as the Kennels, the former estate boundary wall and the prehistoric hill fort.	Historic features	changes in condition	Site survey	Onsite Aerial photos	At mid-term and 10 year review	Environment & Heritage Manager	Forester Heritage Module	Monitoring the condition of heritage features allows the Environment & Heritage Manager and Recreation Manager to evaluate whether implementation of the plan has adversely affected any features e.g. has increased visitor numbers increased pressure on features or have operations damaged features? Any issues can be captured and mitigated against in future.
Cared For	Restore areas identified as PAWS to native woodland gradually potentially over several rotations using appropriate silviculture.	Species	Changes in species types, ages, proportions & distributions	Site survey SCDB Query	Onsite SCDB	After operations and at appropriate intervals e.g. mid-term and 10 year reviews	Planning Forester	Against the LMP	Monitoring the diversity of species and structure of the canopy will allow for comparisons to be made overtime which will inform the planning forester as to whether the plan is working and whether adjustments are required allowing the district to adjust expectations and business plan for alternative management methods.

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Cared For	Maintain key features and habitat conditions such as retaining a good proportion of veteran trees for bats and deadwood for biodiversity.	Species, Open Space & Habitat	Changes in land use over time	Site survey SCDB Query Forester Conservation Module Query	Onsite Aerial photos	At mid-term and 10 year review	Environment & Heritage Manager	Forester Conservation Module	By monitoring any changes in land use it can be determined whether there have been any unforeseen impacts from implementation of the plan e.g. have increased visitor numbers/ infrastructure had a detrimental effect on habitats or species or have operations damaged habitats.
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Appendix VI: Maps

The table below lists the maps which support and form part of this Land Management Plan.

- 1 – Location
- 2 - Context
- 3a – Soils
- 3b – Climatic Conditions
- 3c – Hydrology
- 3d – Current Stock
- 3e – NWSS Native Woodland
- 3f – National Vegetation Classification
- 3g - Ancient Woodland
- 3h – PAWS Restoration
- 3i – Utilities
- 3j – NWSS Dominant Habitats
- 3k – Heritage Features
- 4a – Survey & Key Features
- 4b – Opportunities & Constraints
- 4c – Concept
- 5a – Management Type
- 5b – Silvicultural System
- 5c – LISS Thinning (Indicative)
- 5d – Future habitat & species
- 5e – Visitor Zone Management
- 5f - CRT General Management & Potential Projects
- 5g – Environment & Heritage General Management & Potential Projects

Appendix VII: Related Documents*

In addition to those already referenced within the main text the following key policy or guidance documents which have influenced this plan are listed here:

- UK Forestry Standard (3rd Edition)
- UK Woodland Assurance Standard 3.1
- Scottish Forestry Strategy 2006
- Scottish Lowlands Forest District Strategic Plan 2014 – 2017
- Central Scotland Forest Strategy 2013
- Falkirk Forestry and Woodland Strategy (Consultation Draft) 2015
- Falkirk Greenspace: A Strategy for Our Green Network 2013
- Falkirk Area Biodiversity Action Plan 2011-2014
- Falkirk Urban Woodland Strategy 2007-2011
- SNH Landscape Character Assessments for Central Region 1999
- Landscape Character Assessment and Landscape Designations: Supplementary Guidance SG09 – July 2015
- Falkirk Local Development Plan: Adopted - July 2015
- The Falkirk Council Core Paths Plan, May 2010
- Falkirk Open Space Strategy 2009-2014
- Action: Sustainability and Climate Change Action Plans for Falkirk Council 2013-2015
- Forestry Commission Bulletin 62 – Silviculture of Broadleaved Woodland
- Forestry Commission Practice Guide 3 – The management of semi-natural woodlands: 3. lowland mixed broadleaved woods
- Forestry Commission Practice Guide 8 – The management of semi-natural woodlands: 8. wet woodlands
- Forestry Commission Practice Guide 10 – Involving communities in forestry through community participation
- Forestry Commission Practice Guide 12 – Design techniques for forest management planning

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- Forestry Commission Practice Guide 17 – Managing and controlling invasive rhododendron
- Forestry Commission Practice Guide 19 - Greenspace design for health and well-being
- Forestry Commission Practice Guide 20 – Managing deadwood in forests and woodlands
- Scottish Lowlands Forest District Callendar Wood Management Plan 2001-2006 (Peacock & Stewart)
- Scottish Lowlands Forest District Deadwood Policy 2012
- Scottish Lowlands Forest District Deer Management Strategy
- Forestry Commission Scotland - Rhododendron control strategy for the national forest estate in Scotland 2011
- Forestry Commission Practice Note 4 – Controlling Grey Squirrel Damage to Woodlands
- Designed Landscape (The Garden History Society Report 2000)
- Unscheduled Monument: Hill Fort (UMMP FES Matt Ritchie 2012 & Archaeological Topographic Survey of three forts in the Scottish Lowlands Rebecca Shaw & Dr Ben Edwards 2011)
- Category C Listed: Kennels (Biennial Conservation Report 2009/10)
- Policy Walls (Biennial Conservation Report 2009/10 & Boundary Walls Condition Survey 2010)
- Wellhead (Biennial Conservation Report 2009/10)
- Falkirk District Council: Historic Landscape Survey & Management Plan (Peter McGowan 1995)
- Historic Woodland Evaluation (Coralie Mills & Peter Quelch 2012)
- Historic Woodland Survey (Peter Quelch 2009)
- History of Callendar Wood (Christopher Dingwall 2001)
- Falkirk Local History Society: Callendar Park (Geoff B Bailey 2015)
- Callendar Wood Site Maintenance Plan
- Scottish Lowlands Forest District Woodland Play Strategy & Action Plan 2015

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**Most of the documents listed are available online through their respective sources but are also available on request from SLFD.*