

## Appendices

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## Appendix I(A): Boden Boo Consultation Record

Consultee	Date contacted	Date response received	Concept Questionnaire Questions	Consultee Comment	Forest District Response
			<b>Access</b>		
Local Community Consultation (collated comments from drop-in session conversations, feedback forms and online survey grouped related to topic)	04 Aug 2015 - 12 Oct 2015	04 Aug 2015 - 12 Oct 2015	What do you like about Boden Boo?	<p>"It forms a useful link on the cycle route from Inchinnan, Paisley &amp; Glasgow to the Erskine bridge &amp; the Highlands"</p> <p>"Improvement to the paths since FC took over the site"</p> <p>"Easy access"</p> <p>"Local, good path"</p> <p>"Nearby"</p>	<p>Our woodland path network will continue to link up with the wider core path network providing access further afield.</p> <p>SLFD are pleased to hear that you enjoy the paths within the woods and appreciate the improvements we have made.</p> <p>See above</p> <p>See above</p> <p>See above</p>
"	"	"	Are there any improvements or changes that you would like to see at Boden Boo?	<p>"Better path surfaces"</p> <p>"Better maintained paths"</p> <p>"Horse friendly access"</p>	<p>SLFD will continue to work to improve our path network where appropriate.</p> <p>SLFD will continue to monitor our path network and where appropriate make improvements.</p> <p>SLFD welcome a wider range of visitors to our sites and Boden</p>

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				<p>"Not sure if the disabled access is ok yet, still to try pushing wheelchair at the site."</p> <p>"Disabled users are restricted to which areas of the woodland they can use. Is there a possibility to make more of the paths more accessible for all"</p> <p>"Path next to the gas substation gets very muddy in the winter. And that the site could use more dog bins."</p> <p>"Pathways cleared"</p> <p>"Better lighting. Very dark in a winters evening. "</p> <p>"Bigger car park"</p>	<p>Boo doesn't have any barriers to access for horse riders but we would welcome suggestions for improvements.</p> <p>Boden Boo does have sections of the path network which are all abilities access and we will look to improve this situation when opportunities arise.</p> <p>See above</p> <p>See above</p> <p>See above</p> <p>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 the wood both for visitors and wildlife.</p> <p>This is an idea SLFD wish to explore within the life of this</p>
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				<p>"It would be great to have a new path linking from the Bridge access and the gas road to the woodland paths"</p>	<p>plan.</p> <p>This is an idea SLFD wish to explore within the life of this plan.</p>
"	"	"	<p>Any changes would not like to see?</p>	<p>"More paths"</p> <p>"Cars"</p>	<p>Whilst there are no plans to create 'new' paths we would like to upgrade an existing desire line along the River Clyde to make this a more formal and more easily accessed route to improve the visitor experience.</p> <p>Boden Boo is a much visited site not directly accessible by foot to all and at times there is not sufficient parking to accommodate all visitors so we would like to explore options to improve this situation.</p>
"	"	"	<p>If you don't use the site why?</p>	<p>"Not near my home"</p>	<p>SLFD don't foresee Boden Boo as a destination site but primarily a site used by the local community.</p>
			<p><b>Community</b></p>		
"	"	"	<p>What do you like about Boden Boo?</p>	<p>"Valued community resource. A nice balance between wild wood and community facility."</p> <p>"Meet up with other walkers/joggers/cyclists etc."</p>	<p>It is important for SLFD that local communities appreciate and benefit from their local woodlands and we will continue to work to make improvements and hold events to make people aware of the woods and encourage more people to visit</p>

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					them.
"	"	"	Are there any improvements or changes that you would like to see at Boden Boo?	<p>"Better dog control."</p> <p>"More dog control please"</p> <p>"Dog walkers using the site ruin the experience of walking in the woodland"</p> <p>"More bins for dog waste would be good, too many dog walkers are letting their animals use the side of the path and fail to clean it up."</p> <p>"Less dog poo more bins"</p> <p>"Dog poo clearance... Refreshment area "</p> <p>"More dog bins"</p> <p>"Site could use more bins for dog mess"</p> <p>"Public toilets"</p> <p>"Toilet"</p> <p>"Toilet facilities"</p>	<p>SLFD will continue to encourage visitors to be responsible for their dogs and associated waste and will explore ways to work with local dog walkers to promote improvement in this aspect.</p> <p>SLFD will explore the possibility of installing dog waste bins.</p> <p>See above</p> <p>See above SLFD do not currently have plans for a refreshment area at Boden Boo</p> <p>See above</p> <p>See above</p> <p>Due to the size of the site and the relatively short duration of visits SLFD do not currently have plans for toilets at Boden Boo</p> <p>See above</p> <p>See above</p>

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				<p>"Toilet facilities"</p> <p>"Toilets &amp; elimination of dog mess"</p> <p>"More ways to help keep it tidy – too much litter"</p> <p>"Advertising for events could be better"</p> <p>"Concerned about safety of some of the trees. ST – advise about tree safety and importance of deadwood"</p>	<p>See above</p> <p>See above</p> <p>SLFD will continue to encourage visitors to be responsible for their waste and will explore ways to work with local groups to promote improvement in this aspect as well as exploring other options.</p> <p>SLFD recently installed a podium on the grass by the Clyde where adverts can be placed but it is noted that better use of social and local media could be used as well as onsite signage and the FC visit page.</p> <p>SLFD will continue to monitor for dangerous trees and de-limb/fell any which pose too great a risk to public safety.</p>
"	"	"	Any changes would not like to see?	"Anything that could increase litter or risk of vandalism."	SLFD will continue to provide a staff presence on the site and to maintain the site which should reduce littering and other antisocial behaviours. Increased visitor numbers should also deter antisocial behaviour.

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				<p>"Toilets"</p> <p>"Lose it, as it is near Erskine village, so good access for people"</p>	<p>SLFD do not currently have plans for toilets at Boden Boo</p> <p>SLFD own the site at Boden Boo and will continue to manage it for the benefit of the local community who use it.</p>
			<b>Education</b>		
"	"	"	What do you like about Boden Boo?	"Took brownie group down recently to do treasure trails. Site is really good, will look to take the group down more in the future."	SLFD are pleased to hear that you and your group enjoy the wood and you intend to keep visiting. Our community ranger is contactable if your group should need and assistance/support.
"	"	"	Are there any improvements or changes that you would like to see at Boden Boo?	"Would it be a good idea to have tree identification Info either on the trees or Info board."	SLFD will explore opportunities for interpretation of the site.
			<b>Environment</b>		
"	"	"	What do you like about Boden Boo?	<p>"Good bird life. The wide variety of type and age of trees"</p> <p>"There are a good number of attractive mature trees."</p> <p>"Variety of habitats"</p> <p>"Quiet, nice diversity of wildlife"</p>	<p>Our continued management of the woods aims to maintain and improve the diversity of both the flora and fauna within the wood.</p> <p>See above</p> <p>See above</p> <p>The woods do provide an opportunity for peaceful enjoyment of nature and this is</p>

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				<p>"Nice space, relaxing &amp; wildlife"</p> <p>"Natural environment at one with nature"</p> <p>"Nature"</p> <p>"Spot the deer"</p> <p>"The native woodland &amp; the diversity of bird life/animals"</p> <p>"Wildflower meadow – good as well"</p>	<p>a character we will retain and enhance through this plan.</p> <p>See above</p> <p>See above</p> <p>See above</p> <p>See above</p> <p>See above</p> <p>Noted</p>
"	"	"	Are there any improvements or changes that you would like to see at Boden Boo?	<p>"Wider variety of habitats."</p> <p>"Plant trees, bushes/habitats to encourage more unusual birds to nest there"</p>	<p>See above</p> <p>See above</p>
			<b>Landscape</b>		
"	"	"	What do you like about Boden Boo?	<p>"Quiet &amp; clean"</p> <p>"Great views"</p> <p>"Riverside views"</p>	<p>SLFD are please you enjoy the peace and tranquillity of the site.</p> <p>SLFD will look to maintain and improve the best views within and out with the site.</p> <p>See above</p>



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				"View over river & woodland"	See above
				"Nice walk with lovely views over the river"	See above
				"Scenery"	See above
				"Enjoy being by the waterside. Takes you away from the hustle and bustle."	See above
				"Great space for working etc, nice surroundings, views"	See above
				"Walking through the woods, beautiful environment"	See above
				"Walking through the trees"	See above
				"Beautiful area"	See above
				"Beautiful in all seasons"	See above
				"That it is still a natural area and the improvements reflect the beautiful area"	Noted
				"Impressed by general tidiness of for site. Enjoyed the ironworks on the walls, nice touch"	SLFD appreciates your positive comments on your experience.
				"Like the way the woodland	See above

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				is kept.... An improvement in the site generally in the last couple of years... I prefer Boden Boo to one on the other side of the road, due to the level of upkeep of the site....Site is tidier since the FC took over management"	
"	"	"	Are there any improvements or changes that you would like to see at Boden Boo?	<p>"General tidy up"</p> <p>"I like it as it is"</p> <p>"Not needed"</p> <p>"Extend past Mar Hall Golf Course river path"</p> <p>"Cutting of grass area"</p>	<p>SLFD will always seek ways to best improve the visitor experience.</p> <p>Noted</p> <p>Noted</p> <p>Our ownership boundary ends under the Erskine Bridge.</p> <p>The main grassed area is mown several times each year.</p>
"	"	"	Any changes would not like to see?	<p>"Residential"</p> <p>"I think it is important to keep the area wild and not too park like. "</p> <p>"No other changes"</p>	<p>There are no plans in the adopted or proposed local plans to develop around the site and certainly SLFD don't intend to develop the site itself.</p> <p>This plan would maintain the existing natural character enjoyed in the site.</p> <p>Noted</p>
			<b>Operations</b>		
"	"	"	Any changes would not	"Reduction on tree cover"	To encourage a healthy,

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			like to see?	<p>"Don't remove trees, keep it wild"</p> <p>"Don't' want to see timber extraction or commercial activity if that is what is proposed"</p>	<p>vigorous woodland capable of naturally regenerating and sustaining and perpetuating itself some small scale thinning interventions will be necessary to facilitate the correct light and seedbed conditions for seedlings to develop.</p> <p>See above</p> <p>See above, providing amenity woodland is the main objective not commercial production however some management intervention is still necessary.</p>
			<b>Recreation</b>		
"	"	"	What do you like about Boden Boo?	<p>"The paths are good for small children to ride bikes on."</p> <p>"It is clean &amp; tidy with little litter. It changes with the seasons. It is good for exercise due to inclines"</p> <p>"Good, varied dog walking. Peace and quiet with people to speak to if you choose."</p>	<p>Noted</p> <p>Noted</p> <p>Noted</p>
"	"	"	Are there any improvements or changes that you would like to see at Boden Boo?	"The paths are predominantly for pedestrian use and cyclists are at a disadvantage. I would like to see even a small section of dedicated	Whilst a dedicated bike path is not currently being explored by SLFD for this site we are happy to discuss proposals from potential user groups keen to use the woods however any

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				<p>mountain bike track, with a variety of technical features such as steps, berms and jumps, catering for kids through to intermediate skilled bikers, with clear signage warning pedestrians not to use it. The large north facing purple meadow area on the plan which is currently free of trees and built paths would seem ideal. This would enable local mountain bikers to practice skills without having to drive to a trail somewhere else. There are other small sections which could be developed but these might interfere too much with pedestrian use so a larger self-contained area in the middle would seem ideal, as bikers would not need to cross any pedestrian routes at speed."</p> <p>"Possibility of bike track"</p> <p>"Picnic tables"</p> <p>"Worried about scorching of benches with BBQ's, could</p>	<p>proposal would have to be balanced against other users opinions with the necessary prior scoping and consultation being carried out.</p> <p>See above</p> <p>SLFD have recently installed several picnic tables throughout the site next to the paths.</p> <p>Noted</p>
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				<p>add metal plates"</p> <p>"Play area for children"</p> <p>"Natural play area through woodland walks"</p> <p>"Play trail a good idea"</p> <p>"Kids play areas"</p> <p>"More attractions for children, woodland trail/adventure play items or storytelling"</p> <p>"Would like more seats or sitting areas – boulders"</p> <p>"Mark the distance round each path in the woodland"</p>	<p>SLFD intend to explore creating a natural play trail within the wood.</p> <p>See above</p> <p>Noted</p> <p>See above</p> <p>See above</p> <p>SLFD have recently installed several picnic tables throughout the site next to the paths.</p> <p>We will continue to explore opportunities to improve the visitor experience.</p>
"	"	"	Any changes would not like to see?	<p>"Too many people in the wood so it disrupts wildlife."</p> <p>"Making it too</p>	<p>Whilst FES wishes 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.</p> <p>SLFD don't foresee Boden Boo</p>

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				commercialised and “visitor attraction”	as a destination site but primarily a site used by the local community.
Dr Kate Cuthbert Access Officer Policy and Regeneration Development and Housing Services Renfrewshire Council	04/08/2015	12/10/2015	N/A	The access network at Boden Boo has been upgraded in recent years and is now more extensive than previously. The proposal to formalise the desire line along the river bank to tie in with the longer Core path route leading to Big Wood in the west and the Erskine walkway in the east is welcomed.	Noted

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## Appendix I(B): Johnstone Woods Consultation Record

Consultee	Date contacted	Date response received	Question	Consultee Comment	Forest District Response
			<b>Access</b>		
Local Community Consultation (collated comments from drop-in session conversations, feedback forms and online survey grouped related to topic)	04 Aug 2015 - 12 Oct 2015	04 Aug 2015 - 12 Oct 2015	What do you like about Johnstone Woods?	<p>"The quietness and the different ways you can go just not a wee local woods and the easy transport options"</p> <p>"Links from Johnstone all way to Gleniffer Braes"</p> <p>"Nice walks and better paths been installed recently"</p> <p>"good access for local people"</p>	<p>The woods do provide an opportunity for peaceful enjoyment of nature close to local residencies and transport routes and this is a character we will retain and enhance through this plan.</p> <p>Our woodland path network will continue to link up with the wider core path network providing access further afield including Gleniffer Braes.</p> <p>SLFD are pleased to hear that you enjoy the paths within the woods and appreciate the improvements we have made.</p> <p>See above</p>
"	"	"	Are there any improvements or changes that you would like to see at Johnstone Woods?	"Footpath between Auchenlodment Rd and Spruce Ave full of mud unsafe/to walk at night."	SLFD will look to make any necessary improvements to this section of path to improve conditions underfoot however this particular path travels out with our ownership boundary

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				<p>and therefore we can't guarantee what maintenance will take place outside this. SLFD will explore opportunities for improvements with our neighbours. In terms of safety at night we hope that our on-going management including thinning of trees will help to enhance this area and make it more frequently used and less intimidating for visitors.</p> <p>SLFD intend to explore options with our neighbours to remove potentially hazardous obstacles such as this one.</p> <p>As mentioned previously it may be that the section referred to is out with our boundary however as part of our on-going management we will continue to keep pathways clear as part of our regular site maintenance.</p> <p>SLFD intend to replace much of the signage with FC branded signage and also to improve various access points throughout the site.</p> <p>SLFD will explore opportunities to consolidate paths and make improvements where</p>
				<p>"Unsafe fence around burgh football ground, fencing jutting out over footpath"</p> <p>"Over grown path around burgh football ground (vision blocking)"</p> <p>"Welcome improved signage and improving informal access points"</p> <p>"Better signage and consolidation of paths, better surfaces"</p>



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				<p>"Improve the path system. Good idea to put new path from Tower Road, also signs. Bushes, trees trimmed/cut back"</p> <p>"The signs maybe cleaned up. Embedded names &amp; arrows for blind children to feel"</p> <p>"Good idea to make route from Elm drive to Tower Road – will bring people through a different section of the woodland not usually experienced"</p> <p>"All routes should be barrier free"</p> <p>"All paths should be minimum 1.5m – 1.8m wide, to allow for disability/horse riders."</p>	<p>appropriate.</p> <p>See above.</p> <p>SLFD will explore opportunities to improve signage for all abilities.</p> <p>The proposed new path would provide the visitor with the opportunity to enjoy a longer circular walk within Rannoch Wood and access an attractive part of the wood.</p> <p>SLFD have no intentions to put in any barriers.</p> <p>The formal surfaced paths will adhere to our own specifications for paths however informal desire lines may not meet this and it may not be appropriate to upgrade such paths as it could impact on the experience of other users.</p>
"	"	"	Any changes would not like to see at Johnstone Woods?	"Tarred paths"	SLFD have no intention to tar mac any paths.

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				"I wouldn't like to see too many paths etc. put in, it takes away the natural feel"	SLFD are considering expanding the path network within Rannoch to improve the circularity of the trail however this would not involve major changes to the woodland character.
"	"	"	If you don't use the site why not?	"Awkward to get there from Glasgow side of Paisley"  "Not near where I live"  "Might get lost - strangers.....stay too far away"  "Too muddy, too far away, don't really want to"	SLFD don't foresee Johnstone Woods as a destination site but primarily a site used by the local community.  See above.  See above.  See above.
			<b>Community</b>		
"	"	"	What do you like about Johnstone Woods?	"Like the fact that you are running an event on the woodland.... have seen an improvement in the level of anti-social behaviour in the woods in the last couple of years since FC has taken over the site."	It is important for SLFD that local communities appreciate and benefit from their local woodlands and we will continue to work to make improvements and hold events to make people aware of the woods and encourage more people to visit them.
"	"	"	Are there any improvements or changes that you would like to see at Johnstone Woods?	"Less dirt bikes, sometimes you can see the damage they have done to the paths"  "Dog walkers cleaning up"	SLFD will explore options to mitigate against anti-social use of the woods.  SLFD will continue to

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				<p>their dogs mess”</p> <p>“more litter bins for dog mess”</p> <p>“Less litter, pick up dog mess, no fires, people to stop going in and drinking”</p> <p>“Please do something about the dog fouling”</p> <p>“Less dogs off leads as kids get scared with dogs”</p> <p>“Children’s birthday parties, i.e. den building &amp; swings”</p> <p>“More people picking up their rubbish instead of leaving it for others to clean up.”</p>	<p>encourage visitors to be responsible for their dogs and associated waste and will explore ways to work with local dog walkers to promote improvement in this aspect.</p> <p>SLFD will explore the possibility of installing dog waste bins.</p> <p>See above.</p> <p>See above.</p> <p>See above.</p> <p>SLFD continue to encourage natural play within the site and work with schools and nurseries to encourage this behaviour.</p> <p>SLFD have worked hard to tidy up the site and keep it so and it is hoped that this along with future management and work with the community will see greater ownership taken by locals and less antisocial use of the woods.</p>
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				"Burn is often polluted with rubbish – where it would be good to see clean water for pond dipping."	See above.
"	"	"	Any changes would not like to see at Johnstone Woods?	"More dirt bike access"  "More events"	SLFD have no intentions to provide opportunity for anti-social use of the wood. SLFD is committed to encouraging the local community to appreciate and visit their woodlands and as part of this we would hope to hold at least one event each year to bolster local interest and involvement.
"	"	"	If you don't use the site why not?	"It's not safe"  "Don't feel safe, too much dog mess"  "Anti-social behaviour (broken glass) puts me off using the woodland. Stewart advised that opening the woodland up and increasing visibility helps discourage anti-social behaviour"	The continued management of this site including path work and thinnings etc. will hopefully alter the views of some toward the site with the site opening up letting in more light and improved sight lines.  See above.  See above.
			<b>Education</b>		
"	"	"	What do you like about Johnstone Woods?	"The educational benefits, children learn health and	SLFD will continue to promote and encourage the use of the

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				wellbeing. Risk assessing, having fun, developing senses" "Learning about nature."	site for play and education amongst the community. See above
"	"	"	Are there any improvements or changes that you would like to see at Johnstone Woods?	"There is some interesting archaeology in the woods (cup and ring marked rocks) and it would be interesting to see that the subject of an information board"	SLFD will explore opportunities to interpret the site for the benefit of an improved visitor experience.
			<b>Environment</b>		
"	"	"	What do you like about Johnstone Woods?	"I like the wildlife in the woods.....I like that there is a lot of nature" "Nature on your doorstep" "The Greenspace" "Old woodlands" "The natural feel" "It gives you the air and the space with your family. A good place to spend your free time"	Our continued management of the woods aims to maintain and improve the diversity of both the flora and fauna within the wood. See above See above See above See above The woods do provide an opportunity for peaceful enjoyment of nature and this is a character we will retain and enhance through this plan.
"	"	"	Are there any improvements or changes that you would like to see at Johnstone Woods?	"Would like to see native trees planted to improve biodiversity, e.g. Oak, Birch, Aspen from native stock"	We intend to encourage regeneration of existing species planted within the site the majority of which are native however we will retain a

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				"more flowers"	level of beech and sycamore, which also make up the wood.  Our proposed wildflower meadow areas along with improved woodland habitat will provide more flora and colour within the site.
			<b>Landscape</b>		
"	"	"	Any changes would not like to see at Johnstone Woods?	"Area lost to buildings"	SLFD have no intentions for developments within the site.
			<b>Operations</b>		
"	"	"	Any changes would not like to see at Johnstone Woods?	"If trees are taken out they must be replanted"  "Keep all the trees – don't cut them down. Don't change the view, keep it natural"	To encourage a healthy, vigorous woodland capable of naturally regenerating and sustaining and perpetuating itself some small scale thinning interventions will be necessary to facilitate the correct light and seedbed conditions for seedlings to develop.  See above
			<b>Recreation</b>		
"	"	"	What do you like about Johnstone Woods?	"Good for dens, playing, relax, climbing trees, dog walking"	We are pleased you value the benefit the woods provide to facilitate these activities and we will continue to promote and encourage these uses of the wood.
"	"	"	Are there any improvements or	"I would like to see art work in the woods from local	SLFD will explore opportunities to enhance the site for the

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			changes that you would like to see at Johnstone Woods?	<p>artists"</p> <p>"Picnic areas, with benches and seats"</p> <p>"Activities on den building, swing building &amp; treasure hunt"</p> <p>"Opportunities for pond dipping, more regular cleaning of pelleted rivers. Decked areas @ the streams/rivers to allow this. More info points detailing info on species of trees &amp; habitats. Info re the ecosystem &amp; the importance of caring for the environment"</p> <p>"Would like to see some interactive interpretation or activities for children."</p> <p>"More cycle paths, better lighting. Benches, clear paths of nettles"</p>	<p>benefit of an improved visitor experience.</p> <p>See above</p> <p>The area's Community Ranger is available to contact to provide support and advice on such activities.</p> <p>We will continue to maintain the path network which includes crossings over drains and burns. We will also explore opportunities to interpret the site to improve the visitor experience.</p> <p>See above</p> <p>Other than the proposed new link between Tower Road and Elm Drive there are no proposals for more cycle paths however the current path network is generally suitable for bicycles.</p>
"	"	"	Any changes would not like to see at Johnstone	"CCTV"	SLFD don't have any plans for CCTV on the site.

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			Woods?		
Dr Kate Cuthbert Access Officer Policy and Regeneration Development and Housing Services Renfrewshire Council	04/08/2015	12/10/2015	N/A	<p>"The forum considers that proposals to upgrade path surfaces within the woodland would be of positive benefit but note that where gradient allows these should be of a minimum 1.8 m wide to facilitate the use of wheel chairs, mobility buggies and infant buggies. Gradients of all new paths should be kept to a minimum.</p> <p>Proposals to improve the access points into the woodland at Beith Road and Tower Road are welcomed. It is noted that these access points should be wide enough to accommodate modern wheelchairs and mobility or recumbent cycles. It may be necessary to consider access barriers to prevent misuse of the site and discourage anti-social behaviour, however any such barrier should be located and configured in such a manner that they do not prevent the passage of any legitimate users.</p> <p>Improved signage throughout the site would make it more welcoming as</p>	Noted



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				<p>a destination for repeat visitors and give confidence to new visitors in a site that can be disorientating to the unaware.</p> <p>Consolidation of desire lines to form more easily managed routes is welcomed, however it should be noted that the presence of desire lines may recur if those chosen for consolidation are not those most frequently used.</p> <p>The concept of a new path being created between Tower Road and Elm Drive appears to be sound, especially if there is evidence that this is also an existing desire line.</p> <p>Paths within the woodland should be contiguous with those out-with the woodland e.g. the path leading from the woodland across Auchenlodment Road should lead directly to routes on the east side of the road at Windy Hill.</p> <p>The proposal to include an area of natural play in the woodland is also welcomed as this type of play area will encourage family visits thereby increasing the</p>	
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				confidence of people using the woodland."	
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## Appendix I(C): Windyhill/Howwood/Knockmountain Consultation Record

The significant management operations proposed in the respective former individual plans for these sites have already been carried out, i.e. new planting; and no other significant changes to these woods are envisaged during the life of this plan. For these reasons no formal consultations have been carried out relating directly to these sites prior to this plan being presented for conservancy approval. These woods will continue to be managed in accordance to the proposals previously consulted and agreed upon.

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## Appendix II: General Management & Potential Project Table

Woodland	Aspect	Feature	Aspiration	Task	General Management / Potential Project	Owner	Map Annotation	Occurance	Status Monitoring (Y/N)	Monitoring occurance
All	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	Community & Visitor Services		Ongoing	Y	Annual
All	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	Community & Visitor Services	Manage entrances	Ongoing	Y	Annual

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All	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.	General Management	Environment & Heritage/Forest Management/Community & Visitor Services		Ongoing	Y	Annual
All	Biodiversity	Invasive non-native species	Erradicate invasive non-native species flora	Continue the programme of clearing and treating invasives i.e. Rhododendron ponticum, Japanese knotweed & Himalayan Balsam	General Management	Environment & Heritage		Ongoing	Y	Annual
All	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	Community & Visitor Services		Within 1st 5 years of plan	Y	Quarterly
All	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	Community & Visitor Services		Annual	Y	Annual
All	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.	General Management	Community & Visitor Services		Ongoing	Y	Annual

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All	Promotion	Litter	Improve visitor experience	litter blown or dropped into the wood should be removed	General Management	Community & Visitor Services		Ongoing	Y	Quarterly
All	Promotion	Waste material	Improve visitor experience	remove large items of waste/flytipping.	General Management	Community & Visitor Services		Ongoing	Y	Quarterly
Boden Boo	Access	Visitor parking	Expand available spaces for vehicles of visitor to the wood	Explore the potential to expand the parking area on the opposite site of the road from the existing parking area.	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Boden Boo	Access	River side path	Upgrade the river side desire line	Formalise the existing desire line which runs along the river bank to allow visitors to enjoy a walk closer to the water and to tie in with the core paths running along the Clyde out with FE ownership.	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Boden Boo	Access	Path network	Improve path convergence node where varying surfaces meet at awkward angles.	Re surface areas of differing material.	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Boden Boo	Access	Path network	Upgrade existing path to cater for all abilities to the view point.	improve path surface and reprofile slopes where required.	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Boden Boo	Access	Path network	Provide link for pedestrians on Bridge to Woodland	Create a new path to link the Bridge access on the utility access road to the woodland path network.	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Boden Boo	Access	Site furniture	Improve site benches replacing current metal benches with wooden ones.	Maintain recently replaced wooden benches and tables.	General Management	Community & Visitor Services		Ongoing	Y	
Boden Boo	Access	Site furniture	Improve picnic facilities	Relocate existing deteriorating picnic benches by the waterfront with new benches to the north west of the site.	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a

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Boden Boo	Access	Local Authority utility access road	Get agreement to use and improve the access route to the Gas pipeline.	Explore potential access agreement along western edge road with gas company allowing district to upgrade the entrance and form a spur into the wood to allow timber access, stacking & turning.	Potential Project	Planning/Estates		Within 1st 5 years of plan	N	n/a
Boden Boo	Biodiversity	Inner Clyde Estuary	Maintain the north east edge of the site to ensure the condition of the neighbouring SSSI/SPA & RAMSAR site.	Maintain onsite staff profile, maintain litter picking regime.	General Management	Community & Visitor Services		Ongoing	Y	
Boden Boo	Biodiversity/Landscape	Utility wayleave	Improve the aesthetic of the wayleave and the biodiversity value.	Create wildflower meadow within western edge utility wayleave. Power, gas & water lines run through here limiting potential for this area which is presently dense with bramble, rosebay willowherb etc.	Potential Project	Environment/Community & Visitor Services		Within the life of this plan	N	n/a
Boden Boo	Biodiversity/Landscape	Open grassland area	Improve the aesthetic of the open ground and the biodiversity value.	Create wildflower meadow to make better use of ground left open for views much of which is currently covered in rosebay willowherb.	Potential Project	Environment/Community & Visitor Services		Within the life of this plan	N	n/a
Boden Boo	Biodiversity/Landscape	Open strip to south by the pedestrian access	Improve the aesthetic of the open ground and the biodiversity value.	Create a wildflower meadow across from walled pedestrian entrance to provide variety and colour to the open strip which is presently dominated by rosebay willowherb	Potential Project	Environment/Community & Visitor Services		Within the life of this plan	N	n/a

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Boden Boo	Biodiversity/Landscape	Open grassland area	Frame important views and improve biodiversity of open space	Plant small groups of native mixed broadleaves maintaining views over to the Kilpatrick Hills, Bridge & River Clyde.	General Management	Community & Visitor Services/FM-WIAT/Planning		Within the life of this plan	N	n/a
Boden Boo	Education	Art features	To encourage exploration and imagination within the wood.	Add creative art elements into the wood e.g. 'Boo the spider' and/or 'doors to nowhere'	Potential Project	Community & Visitor Services		Within 1st 5 years of plan	N	n/a
Boden Boo	Education	Art features	To encourage exploration and imagination within the wood.	Explore the possibility of creating an art mural on the Bridge stanchion as one enters the site from the Clyde walkway from the north west. Possible local community competition for best design?	Potential Project	Community & Visitor Services		Within 1st 5 years of plan	N	n/a
Boden Boo	Landscape	Open park land	Maintain the open area by the River Clyde, enjoyed by visitors for activities such as picnics, dog walking etc.	Maintain regimes of seasonal mowing and litter picking.	General Management	Community & Visitor Services		Ongoing	Y	
Boden Boo	Promotion	Local community	Improve visitor experience	Create a natural play trail loop around the top of the hill, encouraging more children/families into the wood.	Potential Project	Community & Visitor Services		Within 1st 5 years of plan	N	n/a
Boden Boo	Silviculture	FES woodland	Manage the woodland appropriately to develop and improve stand stability and quality.	Implement Low Impact Silvicultural Systems approach to manage woodland, maintaining continual woodland cover using site appropriate vehicles & machinery.	General Management	FM - WIAT/Planning		7-10 years	Y	Annual



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Johnstone Woods	Access	Tower Road Access to Rannoch	Improve this entrance providing a more visually attractive welcoming accessible and significant point of entry to the wood.	Re-design and re-landscape the entrance to make it more attractive and accessible.	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Johnstone Woods	Access	Signage	Improve signposting throughout the wood.	Replace current signage with FC branded signs and put in more signs at well used entrances and key nodes	General Management	Community & Visitor Services		Within 1st 5 years of plan	N	n/a
Johnstone Woods	Access	Informal access points	promote more local community use of the woodland	Improve informal access points	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Johnstone Woods	Health & safety	Remnant infrastructure	Reduce the potential risk posed by remnant steps	create an earthen bank against them.	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Johnstone Woods	Health & safety	Hazardous trees	Reduce potential hazard to neighbouring properties and future management burden	Systematically remove any large trees which may pose a potential hazard to neighbouring properties where woodland bounds with residential property plant low growing species which are either low growing or can be managed as coppice to replace lost screening function and prevent these areas filling up with weeds due to lack of competition. Having a planted strip will also reduce residential encroachment and fly tipping	General Management	Community & Visitor Services		Ongoing	Y	Annual

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Johnstone Woods	Landscape	Rannoch Wet Hollow	Provide definition to this wet hollow	Use appropriate species choice and infrastructure to improve the visual aesthetic and biodiversity potential of the area	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Johnstone Woods	Landscape	Beith Rd boundary	Improve visitor experience along Beith Rd.	Upgrade damaged sections of wall and safety railings and remove obsolete fencing also thin and prune trees to improve views into wood.	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Johnstone Woods	Landscape	Former housing footprint areas	Provide additional planted green-space in order to integrate the woodland into the wider community.	Discuss with neighbours and local authority	Potential Project	Community & Visitor Services/Planning		Within the life of this plan		
Johnstone Woods	Landscape	obsolete fencing	Remove/replace obsolete and/or hazardous fencing	Discuss with neighbours and local authority	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Johnstone Woods	Operational Access	Former housing footprint areas	utilise non-FES managed area for machine access and timber transfer	Explore seeking agreements from neighbours and local authority	Potential Project	Planning		Within 1st 5 years of plan	N	n/a
Johnstone Woods	Operational Access	Transfer point	Explore options for potential creation of a transfer point for machine access and timber extraction	Discuss with local authority	General Management	Planning		Within 1st 5 years of plan	N	n/a

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Johnstone Woods	Partnership Working	Elm Drive Play Park Entrance	Explore options to synchronise management of this section of non FES woodland with wider FES managed wood.	Liaise with neighbouring landowner	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a
Knockmountain	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/Forest Management/Civil Engineering		Within 1st 5 years of plan	N	n/a
Knockmountain	Biodiversity	Open scrub	Maintain Scrub as a Dynamic Feature of the Woodland Structure	Scrub will be a perpetual feature of Knockmountain through management to create a diverse woodland structure and habitat.	General Management	Environment & Heritage/Planning		Ongoing	Y	Annual
Knockmountain	Biodiversity/Landscape	Woodland creation	Improve landscape and biodiversity	expand woodland to reduce wide gaps between crops for landscape benefit and enhanced biodiversity.	General Management	FM - WIAT/Planning		Within 1st 5 years of plan	N	n/a
Knockmountain	Silviculture	Windblow	Reduce risk to soils	fell unstable shelterbelts before windblow uproots root plates	General Management	Harvesting		Within 1st 5 years of plan	N	n/a
Windyhill	Access	Signage	improvement to the visitor experience	a signage plan identifying the best locations for way marking, finger posts and orientation panels will be created. As part of the signage plan an Interpretation panel will also be installed.	General Management	Community & Visitor Services		Within 1st 5 years of plan	N	n/a
Windyhill	Access	Parking	Improve parking provision	explore options to provide a formal car park	Potential Project	Community & Visitor Services		Within the life of this plan	N	n/a

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## Appendix III: Tolerance Table

	Adjustment to felling period	Adjustment to felling coupe boundaries	Timing of restocking	Change to species	Windthrow response	Adjustment to road lines	Designed open ground
<b>FC Approval not normally required (record and notify FC)</b>	Fell date can be moved within 5 year period where separation or other constraints are met	< 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).	<b>Low sensitivity area</b> 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.	<b>Low sensitivity area</b> Creation of turning points/ loading bays. Deviation of <100m either side of the predicted centre line of the road/ track.  <b>High sensitivity area</b> Deviation <75m in either direction from centre of road/track.	Location of temporary open ground e.g. deer glades if still within overall open ground design  Increase by 0.5 ha or 5% of area - whichever is less
<b>Approval by exchange of letters and map</b>		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).	<b>Low sensitivity area</b> As above to include 5-10 Ha of standing crop to seek a windfirm edge. Areas where windthrow represents <60%.  <b>High sensitivity area</b> Areas where windthrow represents <60%.	<b>Low sensitivity area</b> Deviation of 100-150m in either direction from centre of road/track.  <b>High sensitivity area</b> Deviation of 75-100m in either direction from centre of road/track.	Increase of 0.5 ha to 2ha or 10% - whichever is less  Any reduction in open ground
<b>Approval by formal plan amendment</b>	Felling delayed into second or later 5 year period  Advance felling into current or 2 <sup>nd</sup> 5 year period	> 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,	<b>Low sensitivity area</b> As above. Windblown area + an area > 10 Ha to find a windfirm edge.  <b>High sensitivity area</b> Felling of standing trees beyond the area of windblow.	Deviations exceeding the above.	More than 2 ha or 10%  Any reduction in open ground in sensitive areas  Colonisation of open Areas agreed as critical

## Appendix IV: Management Plan Brief



# Renfrewshire Woods

## Land Management Plan Brief

### Contents

1. Key Background Information
2. Strategic Priorities
3. Key Drivers & Draft Management Objectives

## 1. Key Background Information

- The Renfrewshire Woods are a collection of 5 woodlands totaling an area of approximately 320.3Ha found within the Renfrewshire Local Authority boundary. The 5 woodlands are: **Boden Boo** (22.5Ha), **Knockmountain** (194.2Ha), **Howwood** (25.2Ha), **Johnstone** (31.3Ha) and **Windyhill** (47.1Ha)
- This management plan aims to collate the existing plans for Knockmountain (approved in 2008) and Windyhill (approved in 2011 and currently awaiting amendment approval to include Howwood) with new plans for Boden Boo and Johnstone.
- This new plan will synchronise the management approval for these woodlands into a single new 10 year plan, associated not only by their geographic proximity to each other within Renfrewshire but also due to their function in providing the communities around them access to the benefits of green space for recreation, health and education.
- Boden Boo and Johnstone are part of a wider collective of 14 woodlands across Central Scotland which together form the Commonwealth Woods; a legacy of the 2014 Commonwealth Games, linking up with the 54 countries of the Commonwealth through teaching and learning in Glasgow schools and through the wise management of our woods and forests.
- Elevation rises from approximately 5m at Boden Boo to 190m at Knockmountain. The Johnstone Woods have a history of coal mining and several mine entries can be recorded across this site. The soils across the sites generally consist of Basic brown earths [FC soil code: 1d]; Brown surface-water gleys [FC soil code: 7b], as well as areas of built up land. The soils are moist and range from poor to rich in nutrients.
- 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 reasonably sheltered sites for all but Knockmountain which is a moderately exposed site. Climate change predictions suggest that the climate will become generally warmer, with drier summers and wetter winters.
- Access across the sites for forestry operations is relatively poor with only Knockmountain having a formal forest road which leads to a former farm which is currently being leased by a private firm for log processing and storage. Other access across the sites is restricted mainly to recreational use by walkers and cyclists.
- Currently approximately 49% of the woodlands are under woodland cover, with the remaining open space consisting of disparate elements such as footpaths, utility wayleaves and area of environmental importance amongst other features. Of that woodland cover approx. 80% is broadleaf and 20% conifer with the vast majority of

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that conifer element being found at Knockmountain. Of the current woodland cover across the sites the growth stages of the trees are split as follows approx. 53% establishment (0-10 years), 7% thicket (11-20 years), 17% pole stage (21-40 years), 1% mature (41-60 years) and 22% veteran (over 61 years)

- New planting of Ash at both Knockmountain was affected by *Chalara fraxinea* infected nursery stock which was subsequently removed and replaced with alternative species such as sycamore.
- Aside from Howwood all the woodlands contain areas of Long Established trees of plantation origin (LEPO) that is to say these areas have been interpreted as plantation from maps of 1750 or 1860 and continuously wooded since. A portion of Howwood to the west has been identified as Ancient Semi-Natural Woodland.
- No significant silvicultural operations other than new planting have taken place across any of the sites since they have been managed by Forest Enterprise. Each site has the potential for future thinning however due to the shallow soils and moderate exposure at Knockmountain this may not be advisable. Across the other sites however alternatives to clearfell as methods of silviculture using Continuous Cover Forestry (CCF) and/or Low Impact Silvicultural Systems (LISS) would be desirable to retain woodland cover and minimise visual obtrusion.
- Browsing damage to regeneration or establishing trees could be an issue from roe deer, hare, rabbit and field vole to varying degrees dependent of site. With most of the sites next to urban areas protection by means of planting tube, net guards and spiral guards are the only methods available. The larger, less populous and more commercial sites of Knockmountain and Windyhill are already fenced and browsing is managed by syndicate or framework agreements.
- Along its northern edge Boden Boo bounds the Inner Clyde intertidal zone of the Clyde estuary important for its extensive saltmarsh habitat and use by migrating birds affording it the designation as a Site of Special Scientific Interest (SSSI), a Special Protection Area (SPA) for Redshank and Ramsar status for its wetland. Within Knockmountain part of the Dargavel Burn SSSI (an active area of valley fen) is located and a current 5 year management plan is being implemented by FES.
- Local Authority designated Local Nature Conservation Site (LNCS) areas are found in Boden Boo, Knockmountain, Howwood and a small area to the south of Windyhill
- Johnstone Woods fall within the Craigstone Woods Tree Preservation Order area
- A Water Catchment Area lies to the north and north-west of Knockmountain and feeds the Auchendores/Leperstone reservoirs which previously fed Port Glasgow but are no longer in use.
- Landscape design is an important consideration both looking onto and within the



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woodlands. With the exception of Boden Boo and Knockmountain the woodlands are elevated around urban areas and are fairly visible in their surroundings. Boden Boo is still visible whilst crossing the Erskine Bridge and despite its size Knockmountain is the least visible site sitting predominantly in a gentle valley bowl which limits views of this wood.

## 2. Strategic Priorities

The work of Forestry Enterprise Scotland (FES) is guided by the national strategic directions document, which sets out six Key Aspirations: -

- **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

The [Scottish Lowlands Forest District Strategic Plan \(2014-2017\)](#) draws on those strands which are most relevant to the forest areas we manage, and sets out the priorities and key commitments which will best deliver these Key Aspirations. This in turn helps guide the management objectives across the Renfrewshire Woods which are specific to each wood based on their individual key drivers.

## 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 The Renfrewshire Woods.

### Key Aspiration – Healthy

The potential impacts of climate change and the potential threat from current and/or future pests and disease such as Horse chestnut leaf miner, Oak pinhole borer, Oak processionary moth, Great spruce bark beetle, acute oak decline, Chalara dieback of ash, Chestnut blight 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 affects of either however any such infestation could potentially have a substantial impact on the health of the woods should they become virulent amongst the crops.

The majority of the crops have not had any recent significant silvicultural management however a significant proportion of the broadleaves within Boden Boo and Johnstone Woods would benefit from a combination of thinning, re-spacing and selective felling. The condition and position of the sites mean use of low impact silvicultural systems (LISS) for the future management of all the sites may be appropriate with the exception of the conifers at Knockmountain.

Due to its proximity to an urban area and its history as part of a former estate the Johnstone Woods have within them invasive species such as *Japanese knotweed* and *Rhododendron ponticum* have established themselves.

#### 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.*
- *Continue to maintain and protect the recently established areas of native and productive broadleaves at Windyhill.*
- *Increase the native woodland cover at Howwood.*
- *Manage the conifer plantation at Knockmountain as a clearfell system.*
- *Within Boden Boo & Johnstone Woods initiate a programme of thinnings to promote future management by Alternatives to Clearfell (ATC) methods such as Continuous Cover Forestry (CCF)/Low Impact Silvicultural Systems (LISS) in order to promote natural regeneration.*
- *Control spread of invasive species such as Rhododendron ponticum & Japanese*

*knotweed*

## **Key Aspiration – Productive**

Conditions across the sites indicate that growing trees for commercial purposes is a reasonable aspiration however the end market for those crops may differ somewhat site to site. At Knockmountain with Sitka spruce as the main crop it should provide future saw-logs, bars and pulp for existing main markets. Across the other predominantly broadleaf sites the most significant portion of future thinnings will be best suited for a growing firewood market however there should also be a portion of boles of a quality desirable for more niche markets.

Across each site access for both forestry machinery and haulage vehicles is limited and innovative ways of harvesting and transporting timber need to be developed to efficiently manage these sites in the future.

### **Management Objectives:**

- *Produce construction grade softwood timber at Knockmountain for local and national markets*
- *Increase the proportion of timber suitable for niche markets through appropriate silviculture and tending.*
- *Look to improve vehicle access where appropriate across the sites in order to facilitate operations, timber transport and the potential to develop more innovative methods of managing and marketing smaller more management intensive sites.*
- *Use appropriate methods of protection to minimise leader browsing on establishing or regenerating trees.*

## **Key Aspirations – Treasured and Accessible**

Since FES started managing the sites improvements have been made across the sites to various entrances, footpaths, signage and interpretation; these improvements along with greater onsite staff presence has led to a decline in antisocial use of the forest and a large increase in the level of recreational usage, in particular walkers and cyclists.

### **Management Objectives:**

- *Engage with local communities and partners to encourage increased visitor numbers to the woodlands and create an improved visitor experience.*
- *Develop contacts within, and involvement of, the local communities promoting volunteering and skills opportunities.*
- *Where appropriate upgrade and enhance the path network to improve the visitor experience in the woodlands.*

## **Key Aspiration – Cared for**

Prior to FES taking over management of these sites there had been no major silvicultural operations and since FES took over the only significant operations have been the new planting at Knockmountain & Windyhill. As such much of the p90's-00's crops at Boden Boo have closed canopy and would benefit from thinning; the Johnstone woodlands have developed an intimate mix of mature, pole and thicket stage trees as well as establishing regeneration of various species which together would benefit from re-spacing, thinning and select felling to facilitate the development of well formed trees and reduce the dense nature of some areas and improve upon its unkempt look.

Improvements are ongoing across the sites to promote that these woodlands are actively managed, improve their visual appeal and encourage responsible utilisation of the woods however more can be done and by detailing appropriate maintenance programs etc. this will facilitate these improvements and aspirations.

Features of archaeological interest across the sites will be managed in accordance with guidelines on Forestry and the Historic Environment.

### **Management Objectives:**

- *Preserve and enhance the diversity of open space and native woodland to benefit important habitats on and around land we manage such as valley fen, saltmarsh, redshank, hoverfly and purple hairstreak butterfly in accordance with the UK Forestry Standard (UKFS)*
- *Enhance views within and without the sites by means of thinnings, enhanced spatial transition along footpaths/junctions using felling, new planting, high pruning, mowing and monitoring.*
- *Protect known historic features, including archaeological remnants in accordance with UKFS guidelines on Forests and historic environment.*

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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 &amp; 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.	Species mix	Species types, 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 species proportions and distributions 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.
Healthy	Continue to maintain and protect the recently established areas of native and productive broadleaves at Windyhill.	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 Spread-sheet NNR Survey by SCL Impact monitoring form	Monitoring leader browsing by deer allows the FM WIAT Forester and Wildlife Manager to establish whether establishment is likely to be successful or whether further methods of protection are required and therefore factored in to business planning.
Healthy	Increase the native woodland cover at Howwood.	Species mix	Species types, 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 species proportions and distributions 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	Manage the conifer plantation at Knockmountain as a clearfell system.	Silvicultural system	Production Forecast	Design Plan Query	Forester Design Plan Module	After operations and at appropriate intervals e.g. mid-term and 10 year reviews	Programme Manager Harvesting Forester	Against the LMP	Monitoring the volumes and quality of timber produced and levels of income received will allow the Programme Manager & Harvesting Manager to gauge what returns might be expected from future interventions and which customers would most likely be interested. This monitoring also allows the Planning Forester to gauge the quality of conditions and whether future crops might fetch improved revenues if managed differently.
Healthy	Within Boden Boo & Johnstone Woods initiate a programme of thinnings to promote future management by Alternatives to Clearfell (ATC) methods such as Continuous Cover Forestry (CCF)/Low Impact Silvicultural Systems (LISS) in order to promote natural regeneration.	Thinning Ruleset	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	Programme Manager FM WIAT Forester	Against the LMP	Monitoring the volumes and quality of timber produced and levels of income received will allow the Programme Manager & 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 Planning Forester to gauge the quality of conditions and whether future crops might fetch improved revenues if managed differently.
Healthy	Control spread of invasive species such as <i>Rhododendron ponticum</i> & Japanese knotweed	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.
Productive	Produce construction grade softwood timber at Knockmountain for local and national markets	Timber production	Production Forecast	Record post-harvest figures	Onsite Sales Recording Package	After operations and at appropriate intervals e.g. mid-term and 10 year reviews	Programme Manager Harvesting Forester	Against the LMP	Monitoring the volumes and quality of timber produced and levels of income received will allow the Programme Manager & Harvesting Manager to gauge what returns might be expected from future interventions and which customers would most likely be interested. This monitoring also allows the Planning Forester to gauge the quality of conditions and whether future crops might fetch improved revenues if managed differently.

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Productive	Increase the proportion of timber suitable for niche markets through appropriate silviculture and tending.	Timber production	Production Forecast	Attribute survey	Onsite SCDB	After operations and at appropriate intervals e.g. mid-term and 10 year reviews	Planning Forester FM Forester	Against the LMP	Monitoring the quality of timber produced and levels of income received will allow the Programme Manager & FM Forester to gauge what returns might be expected from future interventions and which customers would most likely be interested. This monitoring also allows the Planning Forester to gauge the quality of conditions and whether future crops might fetch improved revenues if managed differently.
Productive	Look to improve vehicle access where appropriate across the sites in order to facilitate operations, timber transport and the potential to develop more innovative methods of managing and marketing smaller more management intensive sites.	Access Road	Creation of new road and associated turning & 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 infrastructure has been created the Planning Forester can demonstrate to stakeholders that the plan is delivering the desired outcomes and if not allow the Planning Forester to take the necessary steps to achieve the desired outcome.
Productive	Use appropriate methods of protection to minimise leader browsing on establishing or regenerating trees.	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 Spread-sheet NNR Survey by SCL Impact monitoring form	Monitoring leader browsing by deer allows the FM WIAT Forester and Wildlife Manager to establish whether establishment is likely to be successful or whether further methods of protection are required and therefore factored in to business planning.
Treasured and Accessible	Engage with local communities and partners to encourage increased visitor numbers to the woodlands and create an improved visitor experience.	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.



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Treasured and Accessible	Develop contacts within, and involvement of, the local communities 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	Where appropriate upgrade and enhance the path network to improve the visitor experience in the woodlands.	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.
Cared For	Preserve and enhance the diversity of open space and native woodland to benefit important habitats on and around land we manage such as valley fen, saltmarsh, redshank, hoverfly and purple hairstreak butterfly in accordance with the UK Forestry Standard (UKFS)	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.
Cared For	Enhance views within and without the sites by means of thinnings, enhanced spatial transition along footpaths/junctions using felling, new planting, high pruning, mowing and monitoring.	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 over time the development of the crop has 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, including archaeological remnants in accordance with UKFS guidelines on Forests and historic environment.	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.
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# Renfrewshire Woods Land Management Plan 2016-2026

## Appendix V: Maps

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

All	Boden Boo	Johnstone Woods	Windyhill	Howwood	Knockmountain
1 - Location	A1 - Location	B1 - Location	C1 - Location	D1 - Location	E1 - Location
	A2 - Context	B2 - Context	C2 - Context	D2 - Context	E2 - Context
	A3a - Soils	B3a - Soils			E3a - Soils
	A3b – Climatic Conditions	B3b – Climatic Conditions			E3b – Climatic Conditions
	A3c – Current Stock	B3c – Current Stock	C3a – Current Stock	D3a – Current Stock	E3c – Current Stock
	A3d – NWSS Native Woodland	B3d – NWSS Native Woodland	C3b – NWSS Native Woodland	D3b – NWSS Native Woodland	E3d – NWSS Native Woodland
	A3e – Ancient Woodland	B3e – Ancient Woodland	C3c – Ancient Woodland	D3c – Ancient Woodland	E3e – Ancient Woodland
	A3f - Utilities	B3f - Utilities	C3d - Utilities		E3f - Utilities
	A3g – Dominant Habitat	B3g – Dominant Habitat			
	A4a – Survey of key features				
	A4b – Opportunities & Constraints				
	A4c - Concept	B4 - Concept			
					E5a – Planting
					E5b – Felling
	A5a – Management	B5a – Management	C5a – Management	D5a – Management	E5c – Management
		B5b – Silviculture			E5d – Silviculture
	A5b – Future Habitat & Species	B5c – Future Habitat & Species	C5b – Future Habitat & Species	D5b – Future Habitat & Species	E5e – Future Habitat & Species
	A5c – Visitor Zone Management	B5d – Visitor Zone Management	C5c – Visitor Zone Management	D5c – Visitor Zone Management	E5f – Visitor Zone Management
	A5d – General Management & Potential Projects	B5e – General Management & Potential Projects			

## Appendix VIII: 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
- Glasgow and Clyde Valley Forestry and Woodland Strategy
- Glasgow City Local Biodiversity Action Plan
- SNH Landscape Character Assessments for Glasgow and Clyde Valley.
- Renfrewshire Local Development Plan 2014
- Inverclyde Local Development Plan 2014
- 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
- 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 Monument Management Plan 2015
- Scottish Lowlands Forest District Deadwood Policy 2012
- Scottish Lowlands Forest District Invasive Non-Native Species Plan 2014-2019
- Boden Boo Archaeological Survey Report – AOC Archaeology Group 2013
- Rannoch Wood and Craigston Wood Archaeological Survey Report – AOC Archaeology Group 2013
- Tree Survey for Bats Bluebell Woods, Johnstone – Wild Surveys Ltd 2011
- Windyhill Archaeological Survey Report – Rathmell Archaeology 2009
- Howwood Archaeological Survey Report – AOC Archaeology Group 2013
- Protected Species Survey at Howwood and Tor Bracken – Peak Ecology 2014
- Knockmountain NVC Survey – Biodiversity Solutions 2007
- Knockmountain Desk Based Archaeological Survey - Rebecca Shaw Archaeological Services 2008
- Hydrological Assessment at Knockmountain Farm – Acorna Associates Ltd 2007