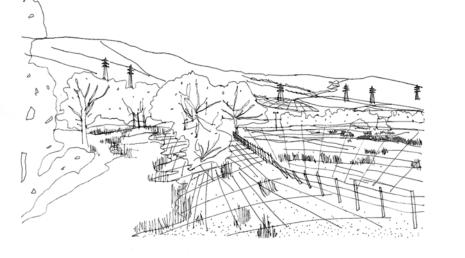


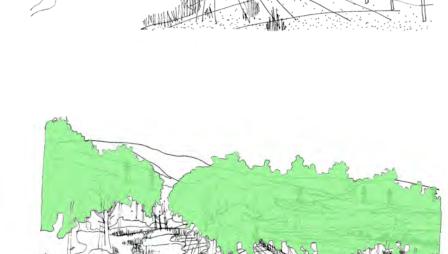


Illustrating the proposed extensive areas of proposed native woodland planting across the upper slopes of Glen Fruin. The section shows the proposed fence line in relation to the edge of the proposed planting. It is proposed to leave a swathe of land, of varying width and design, between the woodland edge and the fence line to encourage natural regeneration within this area and a feathering out of the woodland edge to create a more natural 'edge zone' with increased biodiversity value. The woodland edge will vary in

## design along the wayleave in accordance with the principles outlined below.

**Indicative Sketches** 





Illustrating indicative view towards the lines from the proposed alternative Three Lochs Way footpath along Fruin Water. The proposed native woodland planting will provide intermittent screening and filtering of views towards the lines, reducing the visual impact of the line on users of the alternative path. Sensitive design of proposed woodland planting will also ensure that views across the glen and towards the Luss Hills will still be possible from this alternative path.

B. Upland birchwoods

Moderate/ steep slopes generally

below 400m, with well drained

this, can also occur in mosaics

with Upland oakwoods, upland

mixed ashwoods and wet

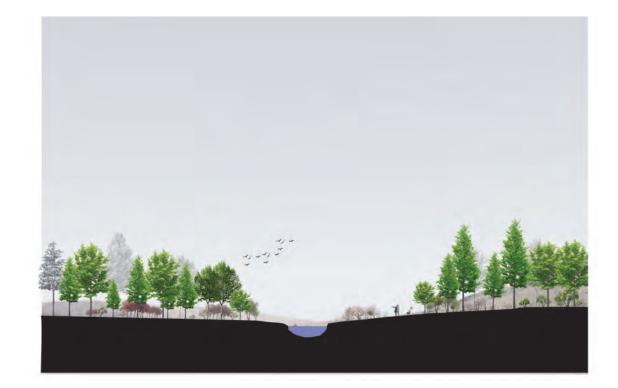
Betula pendula/ pubescens

woodland habitats.

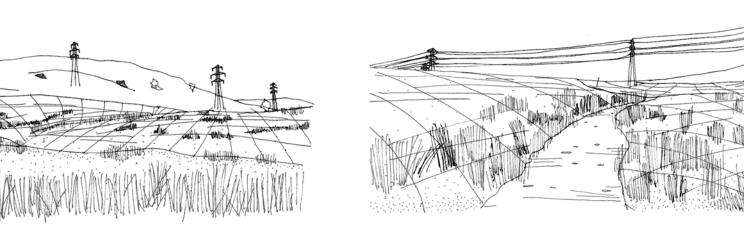
soils, but can extend well above

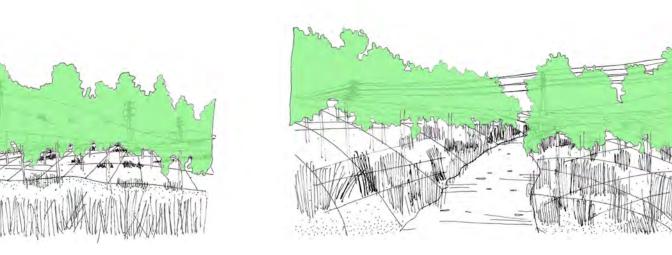


Section 2 Illustrating the treatment proposed to the wayleave corridor alongside the lines as they cross the lower and mid slopes of Glen Fruin. The section shows the proposed fence line in relation to the edge of the proposed planting. It is proposed to leave a swathe of land, of varying width and design, between the woodland edge and the fence line to encourage natural regeneration within this area and a feathering out of the woodland edge to create a more natural 'edge zone' with increased biodiversity value. The woodland edge will vary in design along the wayleave in accordance with the principles outlined below.



Illustrating the proposed new path along the Fruin Water with associated new native woodland planting. Native woodland planting is proposed to strengthen the scrubby riparian woodland found along the river corridor, to screen and filter views of the line from users of the proposed alternative route of the Three Lochs Way footpath. Wide scale native woodland planting is proposed to the lower slopes of the glen to the south-west which will assist in screening view of the line and provide increased biodiversity value.





Illustrating indicative view from route of new alternative path Illustrating indicative view from the existing hill path between along Fruin Water, where native broadleaf planting along the Helensburgh and Glen Fruin where it enters the National Park lower slopes of the glen will screen and filter views towards and which forms part of the Three Lochs Way long distance the lines, whilst avoiding land take within the more productive footpath.

The proposed path upgrades will provide improved accessibility along this section of boggy open moorland/ rough grazing, and native woodland planting will provide intermittent screening of the line from this section of the path before users drop down into the more settled valley of Glen Fruin. Sensitive design of proposed woodland planting will also ensure that longer distance views towards Loch Lomond, and Ben Lomond to the north-east, and the Luss Hills to the north are still possible once users have passed beneath the lines.

## Native Woodland Principles

perceptibility of the line for users.

**Indicative Visuals** 

Illustrating indicative view from existing route of Three Lochs

The proposed native woodland planting will provide a back

clothing to the parallel lines, reducing the visual impact and

Way footpath along the minor road through Glen Fruin.

The introduction of extensive native woodland will be implemented in line the **Biodiversity Action Plan for the** National Park (Wild Park 2020) which notes that expanding and restoring native woodland is one of the major goals for Forestry Commission land in the National Park. Appropriate woodland mixes of native species of trees and lower growing vegetation will be developed sympathetically, with reference to the geographical location, elevation, topography, soil type, hydrology and biodiversity of the specific area. Within Glen Fruin the following woodland mixes are proposed, subject to more detailed survey and understanding of the areas to be planted.

Woodland mixes shown are for guidance purposes only with species and percentage mix of each woodland type indicative. Woodland mixes will be subject to further development during the detailed design stage.



A. Native pine Altitudinal range from sea level to over 600m on steeply sloping ground with dry to damp acidic soils. Occurs with upland oakwood, upland birchwood and wet woodland habitats

Betula pendula (Silver birch)

Sorbus acuparia (Rowan)

Alnus glutinosa (Alder)

Ilex aquifolium (Holly)

Corylus avellana (Hazel)

Shrub/ Understorey Layer

Salix aurita (Eared willow)

Juniperus communis (Juniper)

Salix cinera (Grey willow)

and also in patches within nonnative conifer plantations. Woodland Layer (Primary) Pinus sylvestris (Scot's pine)

(Birch spp.) Woodland Layer (Secondary) Woodland Layer (Secondary) Pinus sylvestris (Scot's pine) Betula pubescens (Downy birch) Shrub/ Understorey Layer Juniper (Juniperus communis) Eared willow (Salix aurita) Aspen (Populus tremula) Grey willow (Salix cinera)



## C. Upland mixed ashwoods

Moderate/ steep slopes with moist soils below 300m, in association with upland oakwood, upland birchwood and wet woodland habitats. Is also found in scattered patches on steep crags up to about 500m.

Blackthorn (Prunus spinosa)

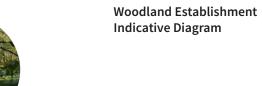
Dog rose (Rosa canina)

Gorse (Ulex europaeus)

Eared willow (Salix aurita)

Woodland Layer Primary 85% Woodland Layer (Primary) Fraxinus excelsior (Common ash) Ulmus glabra (Wych elm) Woodland Layer (Secondary) Grey willow (Salix cinera)

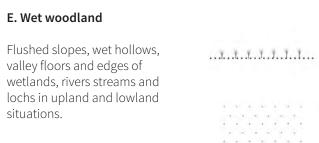
Goat willow (Salix caprea) Alder (Alnus glutinosa) Shrub/ Understorey Layer Hazel (Corylus avellana) Eared willow (Salix aurita) Downy birch (Betula pubescens) Osier (Salix viminalis) Hawthorn (Crataegus Elder (Sambucus nigra) Sorbus acuparia (Rowan) monogyna) Shrub/ Understorey Layer



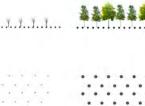
agricultural land in the foot of the glen.

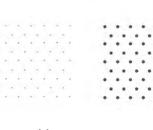
E. Wet woodland

Grey willow (Salix cinera)



Woodland Layer (Primary) and 15cm wide; and 0.6m wide; Downy Birch (Betula pubescens trunk 2cm wide trunk 8-10cm Canopy: 15cm Age: 5 years Height: 5m-1.0m Canopy: 0.6m





5 years old 10 years old 6.0-7.5m height 0.5m-1.0m height 2.0m-3.5m height and 1.2m wide; trunk 15-20cm Age: 10 years

Canopy: 1.2m

5-10 years

Height: 2.0-3.5m Girth: 15-20cm

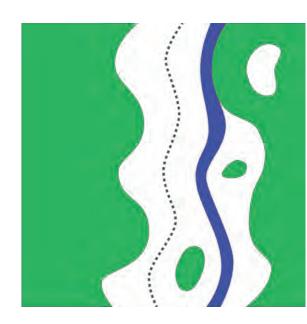
Height: 60-7.5m

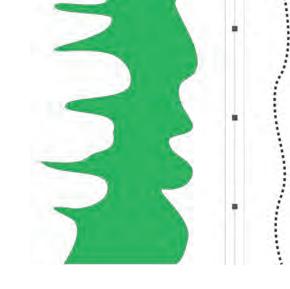
Thinning: every



Canopy: 7m Height: 10-15m Canopy: 10-15m Height: 20-30m Girth: 25cm Girth: 30-40cm Thinning: every 5-10 years Thinning: every 5-10 years

## **Woodland Edge Treatments** indicative Plan Dlagrams





edge treatment in situations likely to arise during the design development and implementation of native woodland planting in Glen Fruin. These are intended to act as a guide for edge treatments in the scenarios likely to be encountered. Treatments all propose naturalistic design of the

creation of glades, rides, scalloped edges, habitat islands and feathered edges to upland slope sides through sensitive following of natural hollows and depressions within the existing landform. Clockwide from top left: Native woodland edge to existing forestry and open space, Native woodland planting to lower slopes

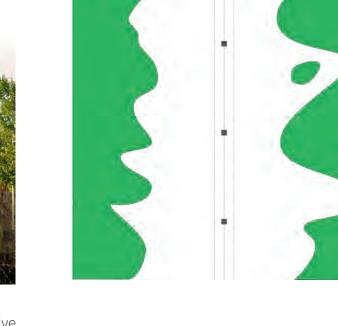




Illustrating screening afforded by new native woodland planting from existing section of Three Lochs Way which passes over moorland between Glen Fruin and Helensburgh.



Visualisation illustrating screening afforded by native woodland planting from lower slopes of Glen Fruin, in views towards the parallel transmission lines.



permanent woodland and woodland edge through and wayleave edge, New native woodland edge to



Indicative Cross Section A

