

3.0 General Description

Topic	Description	Implications for Management	Proposals
3.1 Woodland Summary	(FMU) extends over 647 Hectares of the Public Forest Estate in Cornwall. The woodland is a mixture of productive conifer	The native broadleaf resource requires targeted management to provide the opportunity for expansion.	Non PAWS areas Continue to manage the on a rotational basis but accept natural regeneration when available. Where the opportunity for continuous cover systems is not viable schedule felling coupes to achieve greater age diversity. Assess the potential for greater species diversification on a site by site basis utilising the Forestry Commission 'Ecological Site Classification' tool and climate change model. PAWS areas Increase the potential for natural regeneration throughout. (See PAWS strategy maps)



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3.1.1 Woodland Summary	Timber Production Forecast		
(Production)	Forecast based on Forest Plan scenario created 2013		
	Forecast All All All Period Species Conifers Broadleaves 2014-2016 2713 2512 200 2017-2021 2873 2579 294 2022-2026 3117 2917 200 2027-2031 3642 3339 303 2032-2036 3723 3403 320 2037-2099 5733 5026 707 21801 19776 2024		
	Forecast based on existing Forest Plan		
	All All Species Conifers Broadleaves 2014-2016 1332 1145 186 2017-2021 3403 3140 263 2022-2026 2518 2270 248 2027-2031 4606 4297 309 2032-2036 3538 3239 298 2037-2099 5392 4662 731 20789 18753 2035		
	(All figures are m3 overbark standing)		
3.2 Location & Access	South east of Bodmin within 13Km. Just over 53% of the area is dedicated as open access under the countryside rights of way act.	infrastructure means that current recreational usage is well within capacity.	recreation. Manage gateways and informal parking areas. Increasing formal and informal recreation is
	It is spread over several Parish council areas (St Pinnock, St Winnow, Warleggan, Boconnoc, Broadoak and Cardinham) Vehicular Access to the FC landholding is	Future plans on areas adjacent to rail, road and water frontage need to reflect the sensitive requirements of each.	
	mostly very good. The A38 and the A390 act as the main arteries with most entrances		Continue to develop internal and externa corridors for the benefit of visitor and the

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	within 3KM of these. There are a few blocks in the south of the plan area which have restricted access across third party land. Internally the woodland is serviced by a good network of forest roads, tracks, rides and routes suitable for forest machine access. There are however some areas which are very difficult to access. FC land shares it's boundary with the river Fowey, and the Bodmin to London Rail corridor as well as several well used minor roads.		environment. All road, ride, rail and water course corridors will be worked within the plan period in conjunction with other major operations and at other appropriately timed interventions.
3.3 Tenure & management agreements		The Forestry Commission has dedicated the freehold area as access land under the Countryside and Rights of Way Act (CROW 2000). Public access is not actively promoted on leasehold areas at the request of the current landlord.	
3.4 Physical Environment	Rainfall ranges from 489mm in the Summer to 794mm in the winter. The underlying geology is Cornish Killas and	Forestry Commission Ecological Site Classification (ESC) tool currently rates them as Suitable or very suitable. Using the same tool the 2050 Hi model which predicts impact of climate change rates the main species as follows: Suitable / Very Suitable - Corsican pine, Lodgepole pine, Macedonian pine, Scots pine, Radiata Pine, Sitka spruce, Japanese Larch, Coast redwood, Sycamore, Silver / Downy	and safe. The exact species choice for coupes

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	but in general the Soil Moisture Regime is	Marginal / Unsuitable – Norway spruce, Douglas fir, Noble fir. The main limiting factor for Norway spruce and Douglas fir is stability and for Noble fir it is moisture deficit.	matching of site type to species choice. Opportunities will be taken to diversify the range of species used.
3.5 Landscape Setting and Designations	Natural England Landscape Character Area is 152 Cornish Killas. Countryside Agency Landscape Character Area is a mixture of (LCA) CA21 Fowey Valley and CA22 South East Cornwall Plateau. The Glynn Valley area is not within an AONB	Numerous broadleaved wooded valleys, varying greatly in size. Northern valleys generally narrow and densely wooded.	



4.0 Management Objectives

Continue sustainable management of the woodland resource and develop woodland resilience.

There will be a presumption for thinning all areas except Natural Reserves. Continuous cover and low impact silvicultural systems will be adopted where applicable. Where this is not a viable option, clear felling will continue with the intention of diversifying age and species composition. Select species and provenance according to site characteristics and potential to adapt to changes in climate. Move to a greater cover of native broadleaves in time, with the emphasis on Plantation on Ancient Woodland sites.

Maintain the wooded landscape.

Ensure quality of coupe design enhances the external landscape. Monitor development of areas designated as successional habitat and react to natural processes to influence the safety, stability and productivity and continue to manage invasive exotic weed competition in these areas.

Enhance the woodlands value for nature conservation and biodiversity.

Continue to diversify the woodland age structure and tree species diversity and designate areas of natural reserves. Develop a matrix of open and semi open habitat and maintain linkages for nature through management of existing corridors, particularly ride and water courses.

Conserve all cultural and heritage features.

Adopt appropriate mitigation measures to avoid damage and where possible improve any issues which may increase the risk of deterioration.

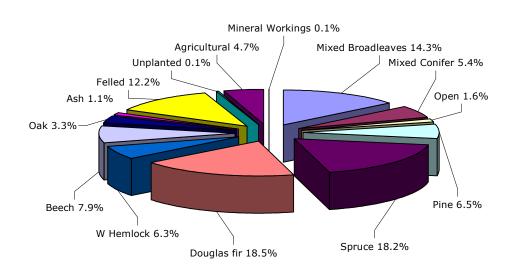
· Maintain low key informal recreational activity.

Enhance visitor experience by managing internal landscaping along existing corridors, and maintaining access points.

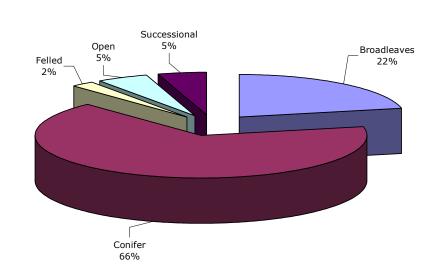


5.0 Silvicultural Management and Implementation

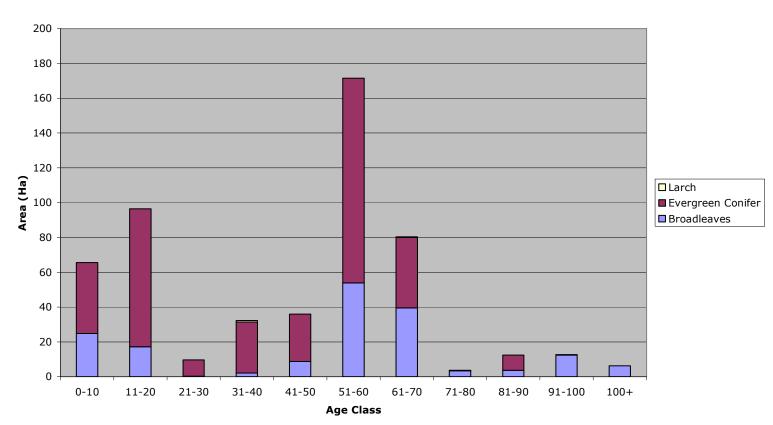
Current Land Use



Current Species Groups



Current Age Classes in The Glynn Valley



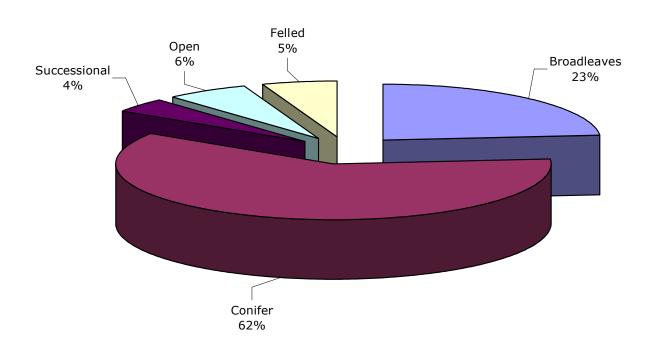
Species and Habitat Composition

This forest plan starts to deliver a move from conifer plantation towards a greater proportion of broadleaved species. There is advanced regeneration of various broadleaved species, shown as MB in the illustrations on this page. The amount of permanent open space will be increased during the life of this plan.

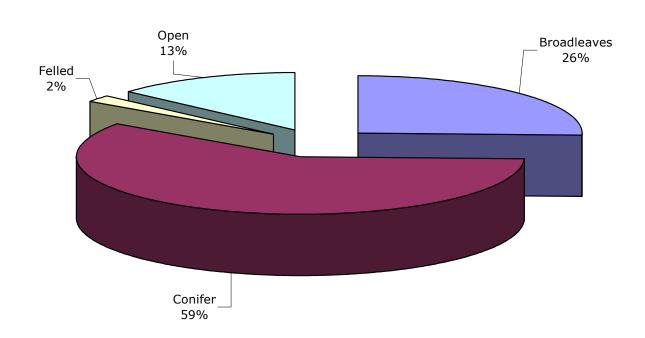
Age structure

The plan aims to increase the diversity of the age structure and begin the process of achieving a greater degree of naturalness.

Future Species Groups 2024



Future Species Groups 2044



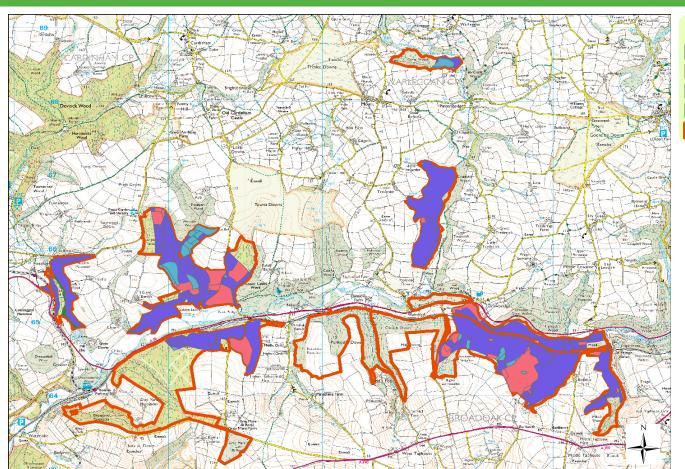
Future Species Model

There is a combination of silvicultural system in this woodland block, clearfell and restocking and continuous cover relying on natural regeneration. Because of the amount of woodland being managed under a continuous cover regime the timing of establishment and composition of species is difficult to predict accurately. The charts on this page seek to illustrate how the woodland is expected to develop over time given the management interventions (woodland thinning and felling) described in this plan.

The preferred method of regeneration, particularly in PAWS areas is to allow it to occur naturally. Major factors which will have an influence on regeneration is lack of seed source, competition from vegetation and predation from mammals. The PAWS management strategy later in this document explains in broad terms how we intend to manage these areas in order to achieve the objectives of the Forestry Commission PAWS policy.

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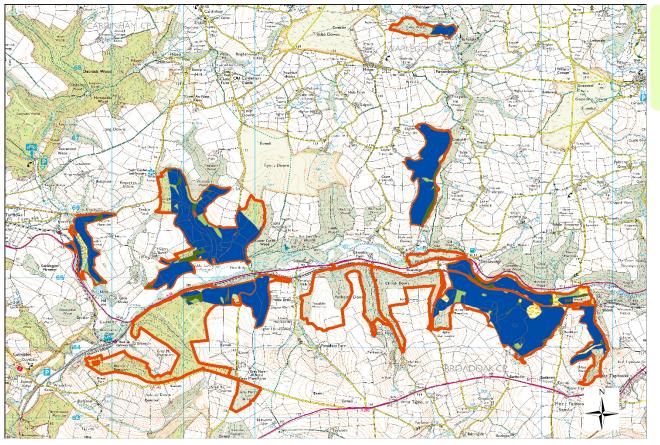
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The map below shows the woodland naturalness assessed in 2007. The following table shows the change in woodland composition in percentages over time:

	% 2007	%2013
>80 Site native tree species (SN)	3	13
50 - 80% site native tree species (RA	4	8
20 - 50 % Site native tree species (P	3) 4	6
<20% site native tree species (P4)	88	71

Significant progress has been made over the last 10 years in moving towards a greater proportion of site native broadleaves. A great deal of this change is due to Larch being removed under plant health notice. Some areas have been restocked with site native broadleaves and some have been left to regenerate over time through natural processes.

The maps on the following page shows how we intend to manage the PAWS area over the life of this plan and beyond. Sample areas will be monitored through site survey and fixed point photography.











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