

# Forest Plan West Devon

2015 - 2025



PEFC PEFG/16-UI-100

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#### **FORESTRY COMMISSION - Application for Forest Design Plan Approval**

Forest District: West England Forest District (FD) Woodland or property name: West Devon

Nearest town, village or locality: Holsworthy / Halwill Junction

OS Grid reference: SS42820081

Local Authority district/unitary Authority: West Devon Borough Council / Torridge District Council

- 1. I apply for Forest Design Plan approval for the property described above and in the enclosed Forest Plan.
- 2. I confirm that the scoping, carried out and documented in the Consultation Record attached, incorporated those stakeholders which the FC agreed must be included. Where it has not been possible to resolve specific issues associated with the plan to the satisfaction of consultees, this is highlighted in the Consultation Record.
- 3. I confirm that the proposals contained in this plan comply with the UK Forestry Standard.
- 4. I undertake to obtain any permission necessary for the implementation of the approved Plan.

Signed (FE) Forest Management Director	Signed(FS) Regional Director
District	Region
Date	Date of Approval
Date approval ends:	

(ha)	Conifers	Broadleaves	Successional Habitat	Open Space
New planting	Nil			
Felling	253	22		
Restocking	207	19	17	32
Managed under continuous cover*			6	
Restocking areas already felled	11.2	2.6		3.5

<sup>\*</sup>Only one regeneration felling will take place during the period of this plan – this figure is also included in the felling area.

#### 1.0 Policy & context

The Forestry Commission (FC) has been independently audited against the UK Woodland Assurance Standard (UKWAS) and its management standards have been endorsed by the Forest Stewardship Council (FSC) and the Programme for the Endorsement of Forest Certification (PEFC). The FC is committed to maintaining woodland management to these standards.

This plan has been prepared in order to achieve compliance with UKWAS and comply with FSC and PEFC standards.

The Public Forest Estate in the West Devon Forest Management Unit lies within West England Forest District which covers the west of England as far as North Shropshire.

#### 1.1 Strategic objectives for the management of woodland on the Public Forest Estate in the South West.

Management of woodlands on the Public Forest Estate will deliver Government aims for forestry in England as described in the Forestry Policy Statement which is available from the DEFRA website. In Summary we will seek to achieve the following key objectives:

- **Protecting** the nation's trees, woodlands and forests from increasing threats such as pests, diseases and climate change,
- Improving their resilience to these threats and their contribution to economic growth, people's lives and nature,
- **Expanding** them to increase further their economic, social and environmental value.

Further details on how these objectives will be achieved and implemented in West England are available in our strategic plan due for publication in 2015.

#### 1.2 Consultation

Consultation has been carried out with identified stakeholders as shown in the consultation record at appendix 1. Our method of identifying consultees is based upon the three major sensitivities of any particular woodland: landscape, recreation and environment, coupled with the level of change we anticipate being caused by the renewed Plan.

#### 1.3 Implementation of plan objectives

Before major forest operations are undertaken a documented Operational Site Plan is completed for the proposed operation. This identifies site constraints and opportunities and ensures that all actions are consistent with current statutory and UKWAS requirements.

#### 1.4 Protected Species and habitats

Where the Operational Site Plan has confirmed that European Protected Species (EPS) or other protected species or habitats are present on a site, operations are undertaken in accordance with guidelines agreed by Natural England.



#### 1.5 Cultural Heritage

#### **Scheduled Monuments**

All Scheduled Monuments are subject to a separate Management Plan, agreed with English Heritage.

At Forest Plan level Scheduled Monuments will simply be mapped on the ecosystems services map. Any additional felling agreed in the Scheduled Monument plan will be subject to liaison with Forest Services.

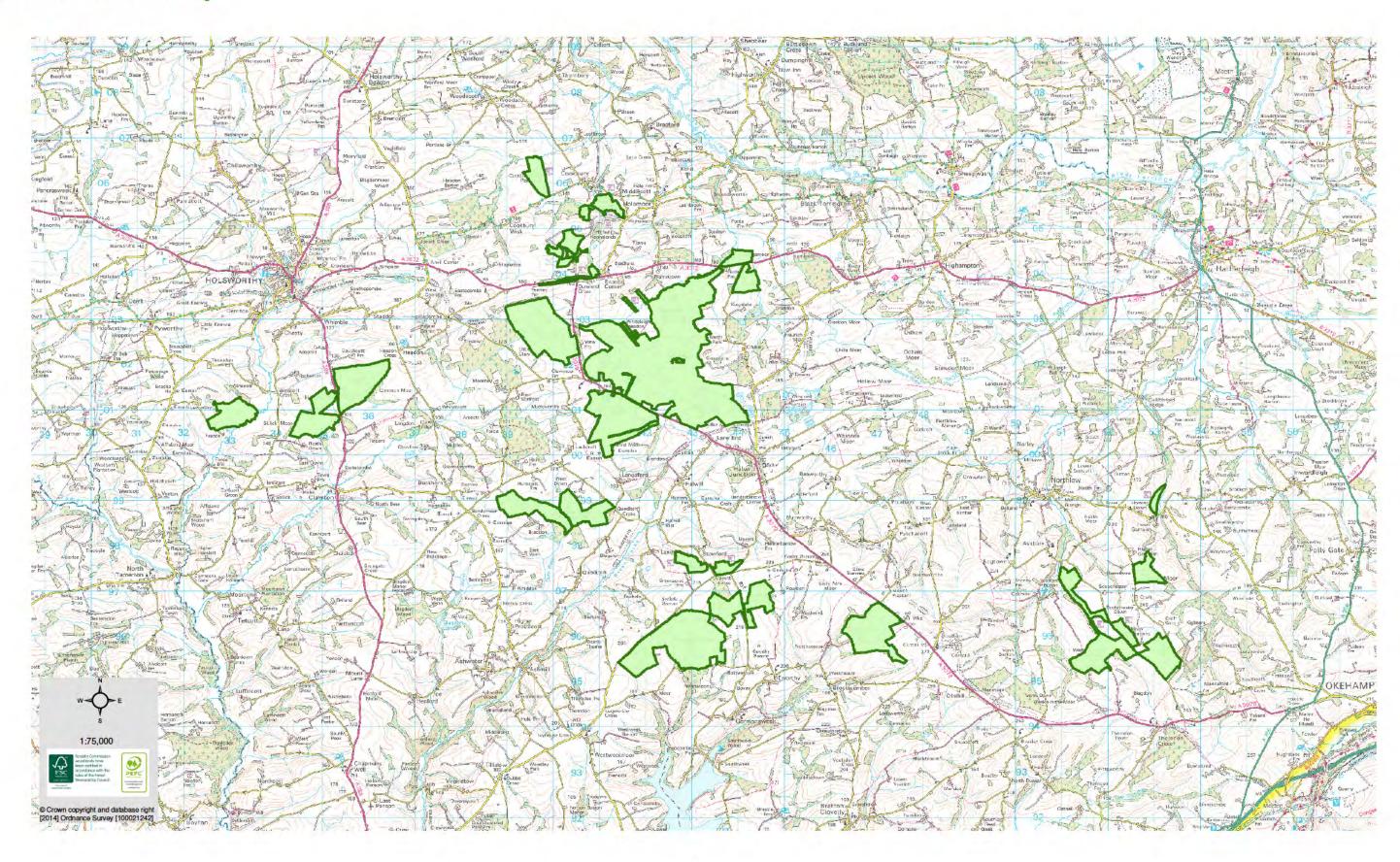
Consultation with English Heritage on any potentially damaging operations to Scheduled Monuments will take place at the Operational Site Plan Stage.

#### Other Heritage Features

Work on all other heritage features are subject to an agreement with Local Authority. During the course of this plan we will identify significant heritage features and incorporate appropriate actions into our core work, but as a minimum all heritage features will be identified by liaising with the relevant representative within the organisation and a suitable working method agreed prior to any operation.



### 2.0 Location Map





## **3.0 General Description**

Topic	Description	Management Considerations	Proposals
3.1 Woodland Summary	The West Devon Forest Management Unit (FMU) extends over 1826 Hectares of the Public Forest Estate in Devon. The woodland is primarily conifer plantation, but has numerous belts of broadleaves, scrub and open space running through it.  Approximately 92% of the woodlands are under 50 years of age with the majority (25%) between the ages of 20 – 30 years.  There is a range of tree species but the dominant species by far is Sitka spruce comprising approximately 74% of the forested area.	commercial resource to the local economy is significant.  Past silvicultural management, ground preparation and choice of species has been heavily influenced by wet soils and exposure leading to wind blow. Traditionally the concept of terminal height has been adopted and most conifer crops were felled between 40 and 50 years of age.  Sitka spruce is well suited to the West Devon	and species choice to provide wider economic benefit and to be more resilient to climate change, plant health issues and financially.  Engage with specialist advisors and researchers to learn more about the issues with Sitka spruce. Establish trials using different ground preparation techniques and consider establishing a species trial.  With a view to increasing stability the design of forest edges will adhere to recommendations documented in the Forestry Commission's Technical Paper No.16. There will also be a presumption towards thinning crops and extending rotations. This will widen the opportunities to introduce different silvicultural systems as an alternative to clear felling.  Active management will increase in areas of broadleaves which have developed naturally Identify and monitor the development of these areas.



Topic		Descrip	tion		<b>Management Considerations</b>	Proposals
3.1.1 Woodland Summary (Production)	Timber Production Forecast					
	Forecast bas Plan:	sed on th	ne exist	ing Forest		
	Forecast Period 2013-2016 2017-2021 2022-2026 2027-2031 2032-2036 2037-2041 2042-2046	All Species 13712 16382 20796 23196 14103 12175 14374	Conifers 13670 16223 20748 23085 14014 11829 14220	Broadleaves 42 159 49 111 88 345 153		
	Forecast base	ed on this	Forest P	lan:		
	Forecast Period 2013-2016 2017-2021 2022-2026 2027-2031 2032-2036 2037-2041 2042-2046	All Species 9321 18605 19231 18136 19011 11087 22679	Conifers 9277 18523 19150 18032 18885 10986 22495	Broadleaves 44 83 81 104 126 101 184		
	(The figures show volume production standing.)	•		_		
3.1.2 Woodland Summary (Ecosystem services - Habitat features, species interest and heritage)	species, Red a	fauna inclu rds and so and Roe de so several	ding gro everal b er and G Europea	und nesting ird of prey squirrel. In Protected	Monuments are covered by separate plans agreed with Natural England and English Heritage respectively.  Butterfly Conservation have provided information on how best practice can be	Incorporate agreed target work areas to improve the habitat for the protection and expansion of butterfly species within the



Topic	Description	<b>Management Considerations</b>	Proposals
3.1.2 Cont'd	There are two separate SSSI's which straddle FC land and neighbouring land. Whiteleigh Meadows is designated for the unimproved grassland (Culm Grassland) which is botanically rich and is currently in favourable condition. Dunsland is designated for rare lichens associated with veteran trees and is currently in unfavourable / recovering condition.  Cookworthy (911 hectares) and North down (138 hectares) are both identified in the joint Butterfly Conservation (BC) / FC conservation strategy; 'Lepidoptera on FC Land in England'. The habitat in these woodlands supports Pearl-bordered Fritillary and Dingy Skipper amongst other species. There are three further sites which are identified in the joint FC and BC strategy for Wood White.  There are several areas either adjacent to or in close proximity to FC land which are managed by the Devon Wildlife Trust, some of which are county wildlife sites. Devon Wildlife Trust are collecting seed from grassland areas on FC land which are botanically rich.  The plan area straddles two water catchments, Tamar to the South West and Torridge to the North East. The part which is in the Torridge catchment also falls within the North Devon Nature Improvement Area.  Three ancient monuments which have been scheduled by English Heritage are located in the plan area. In addition there are numerous other heritage features which have remained undesignated.	etc.) for the benefit of butterflies as well as advising on specific work programmes / projects.  Devon Wildlife Trust have provided information on local projects they are undertaking within the plan area, including the Working Wetlands project. This project is helping to reverse Culm decline by carrying out targeted habitat management, creation and restoration. In addition to providing habitat for many rare species, helping achieve the objectives of the water framework directive and water quality for consumption are key drivers.  The Environment Group at Devon County Council provide information on unscheduled heritage features. These are taken into consideration at the site planning stage prior to the commencement of any operation.	Through the scheduled felling and replanting / regeneration programme ensure identified corridors, particularly those adjacent to watercourses, are managed in accordance with the District policy on Environmental Corridors. Also through scheduled operations manage the woodland edge to create greater permeability, increase connectivity between the woodlands and identified areas externally and allow species to move more freely across the landscape.  Continue local partnership with Devon Wildlife Trust to maintain and improve the botanical value of our open spaces.  Pilot an approach using data from Devon County Council to categorise heritage
	1	8	1

## West Devon

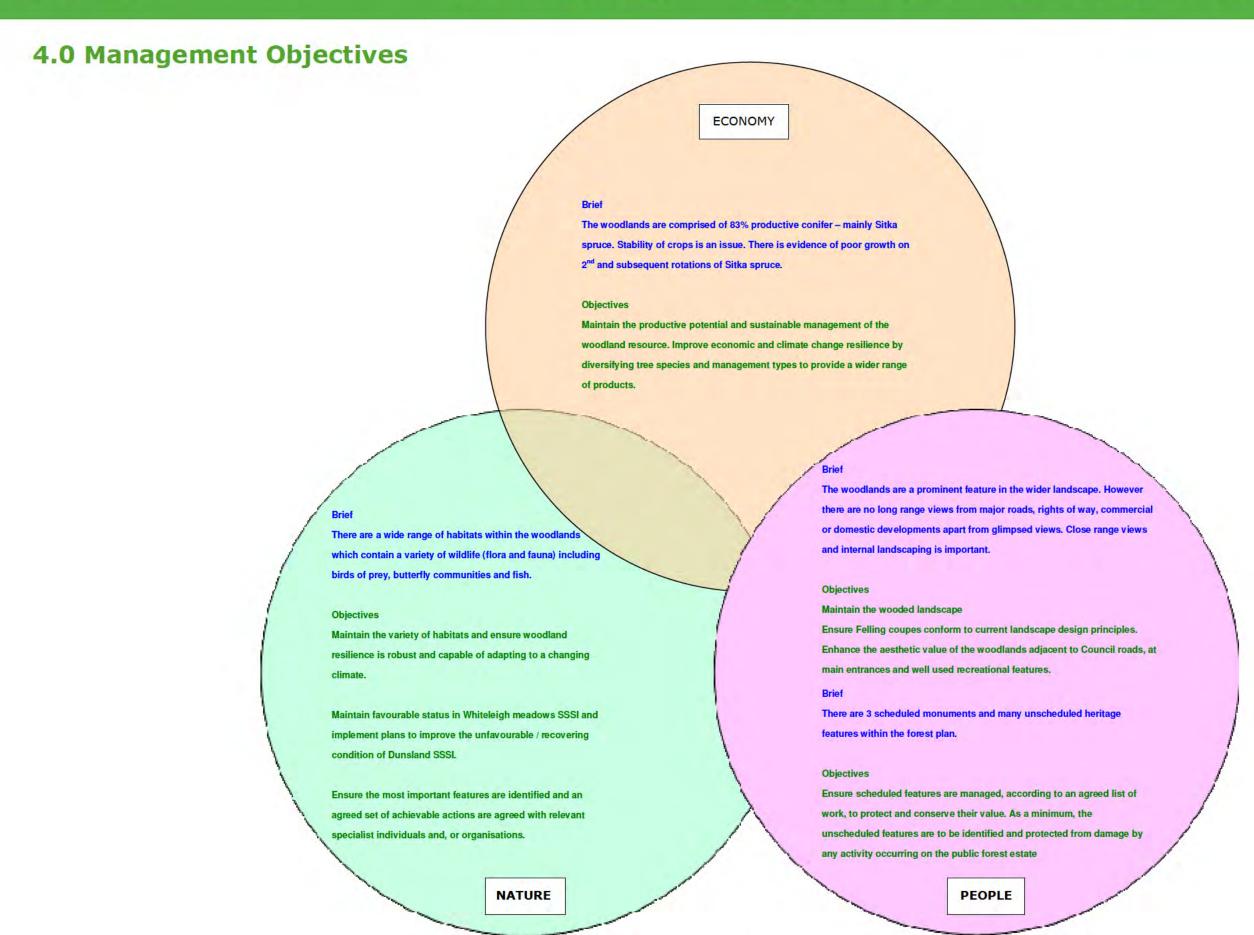
# 2015-2025 West England Forest District

Topic	Description	Management Considerations	Proposals
3.2 Location & Access	The West Devon FMU is located between Holsworthy and Oakhampton. It is within West Devon Borough Council and Torridge District Council unitary authorities. It is spread over several Parish council areas – Clawton, Ashwater, Cookbury, Broadwoodwidger, Halwill, Black Torrington, Bradford, Holsworthy Hamlets, Germansweek, Bratton Clovelly, Beaworthy, Northlew, Inwardleigh.  Vehicular Access to the majority of the Public Forest Estate is good.  Internally the woodland is serviced by a good network of forest roads, tracks, rides and routes suitable for forest machine access.  1334 Hectares are Dedicated Open Access under the Countryside Rights of Way act.	woodland offer a valuable recreational resource to the local community, and as such it is well used, mainly by dog walkers and horse riders.  Maintenance of the access routes for forestry activities is vital.	visitors including the informal car parks. Improve the visual appeal and sense of place on external boundaries adjacent to council roads, car parks and access points through the implementation of scheduled
3.3 Tenure & management agreements	1736 Hectares of the FMU area is registered as freehold with the Land Registry. The remaining 90 Hectares is Leasehold.		Maintain current arrangements into the future. Ensure management is consistent with standards expected by UKWAS.
3.4 Physical Environment	Elevation of the plan area ranges from 100 – 200m above datum.  Rainfall ranges from 478mm in the Summer to 712mm in the winter, and the average over the last 30 years is 1200 – 1400mm per annum.  The underlying geology is the mudstone, siltstone and sandstone from the Holsworthy Group. Soil type is mainly Surface Water Gley	Classification tool (ESC) rates the main species currently on site as suitable at the present time.  Using the same tool the 2050 HI model which predicts impact of climate change rates the main species as follows:	There are quite a few other species which may be considered as alternatives; however a risk based approach to species selection at restocking stage will be applied. It is likely that the alternative species used for restocking will include Swamp cypress, European silver and Noble fir, Western hemlock, Japanese Red and Western Red cedar and aspen.  Introducing mixtures and the possibility of

## West Devon 2015-2025 West England Forest District

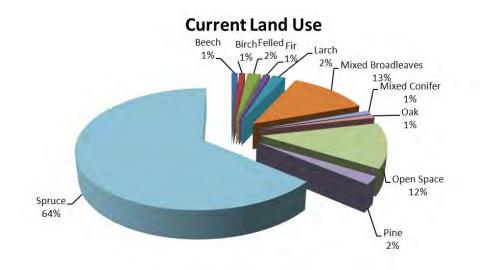
Topic	Description	Management Considerations	Proposals
3.4 Cont'd	(7i imperfectly aerated & 7c cultivated) with some Brown Gley (7bc cultivated). There is obviously a variation across the area but in general the Soil Moisture Regime is moist or wet and the Soil Nutrient Regime is poor or medium. Rooting depth is limited to 30cm across many areas.	Marginal / unsuitable - Douglas fir, Norway spruce, Beech.  It is high risk to plant species highly susceptible to phytophthora ramorum in the South West; therefore larch will not be used.  In addition to soil conditions, exposure, and	broadleaved species will be considered, as long as the proportions of broadleaves within the FMU is gradually increased overall.  As previously mentioned a species trial managed in partnership with Forest Research may be considered to find out how a wider range of alternative species would perform in the West Devon environment.
3.5 Landscape Setting and Designations	Natural England Landscape Character Area Profile is 149 The Culm.  The West Devon Forest Plan area is not within an AONB.	Relevant extracts from the NE LCA: Rolling, open plateaux with many small but deep valleys, fast-flowing rivers and streams that drain the area and wide views across a remote landscape.  Heavy, poorly-drained soil, which supports a pastoral landscape of low agricultural quality but high nature conservation interest.  Conifer woodlands, popular for recreation, for on-going access and transition to native broadleaf woodland, heath and rush pasture.	ensure that future management

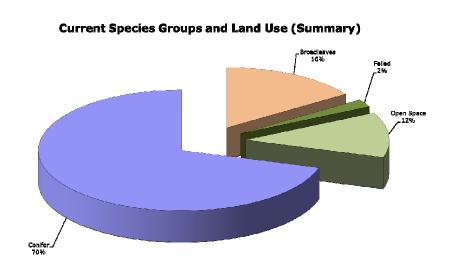


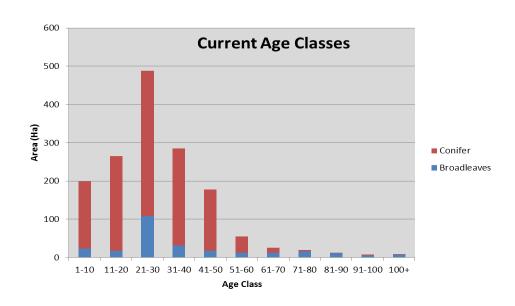




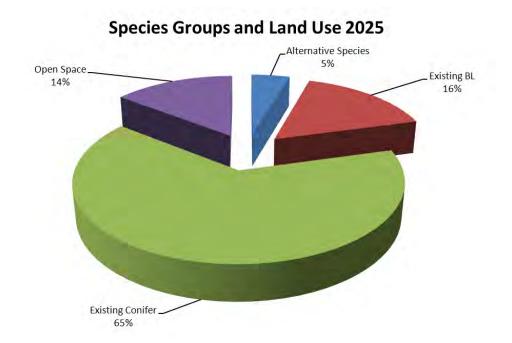
#### 5.0 Review and Implementation

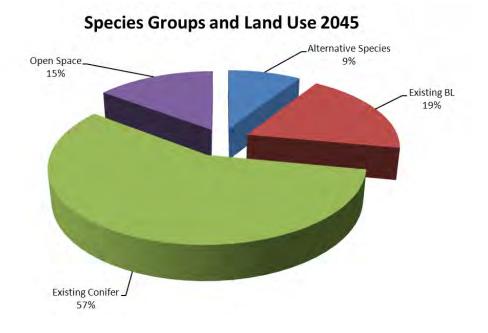






The graphs on this page illustrate in broad terms how the Forest Management Unit is made up currently and what the composition is likely to look like when the management actions described later in this document are implemented.





The alternative species which we intend to use could include Swamp cypress, European Silver and Noble fir, Western hemlock, Japanese Red and Western Red cedar and aspen. Other species may be used as additional information becomes available on their characteristics and suitability to individual sites.