

# East Kielder Forest Design Plan

## Introduction

The East Kielder forest design plan covers 5698 hectares of the forest to the North of Kielder village including the Arehercleugh and Ewehill areas of Kielder Forest. The terrain of the area is a slope generally to the west, with the lower slopes dominating views to the East of Kidder village and castle. The wind hazard class of the plan area also reflects the variation in altitude, the lower slopes presenting more stable sites. Opportunities therefore exist to employ continuous cover forestry on the lower slopes, though the high windhazard class (class 5) of the upper slopes limits the ability to manage crops other than through clearfelling and restocking. The majority of crops are growing well (achieving yield class 12), and are a mixture of younger second rotation crops, and first rotation crops of which the majority are at or past the date of economic maturity. The following table lays out the main features driving the revision of the design plan, and their influence on the felling and restocking plans

### **Achievements since last revision**

1. Visually prominent forest edge : The western edge of Ewe hill forms a prominent straight edge running against the landform. Some restructure of the forest edge has take place since the last review though process not complete
2. Ancient monuments : The following schedule ancient monuments fall within the plan area, Mid Fell Round Cairn (smr 25108) and Brian's wall Romano British Settlement (smr 25110). The monuments have been physically checked since the last plan review, and condition has not deteriorated.
3. Moorland Boundary : an element of open woodland is being established at the forest open moor interface
4. Williams Cleugh Scots pine : Williams Cleugh is a small group of old Scots pine predating the current forest and thought potentially to be of native origin. Some young seedling produced from dseed from the trees have been planted since last review. However, the germination rate iof seed collected has been very poor.

### **Alterations to felling and restocking proposals**

Felling proposal : some minor changes to coupe boundaries

Restocking proposal : Redistribute the restocking of Sitka spruce and other conifer in light of the moratorium on restocking with Lodgepole pine due to the disease Red Band Needle Blight.








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Location map

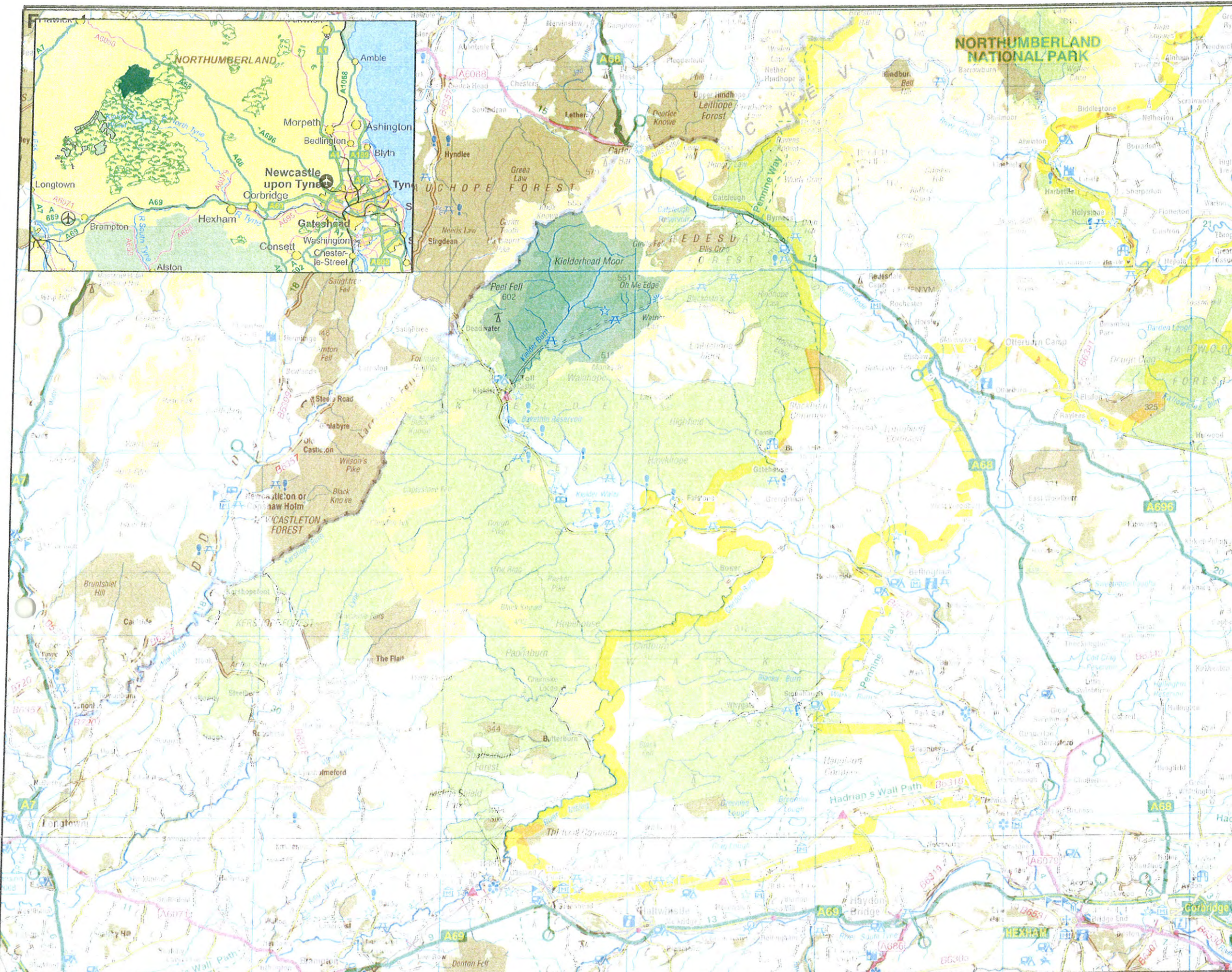
### Legend

-  Plan area
-  Other FC land
-  Other woodland

Scale  
Date

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Jan 2011

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Current Species

Legend

Components

Species

- Broadleaf
- Sitka spruce
- Other evergreen conifer
- Larch

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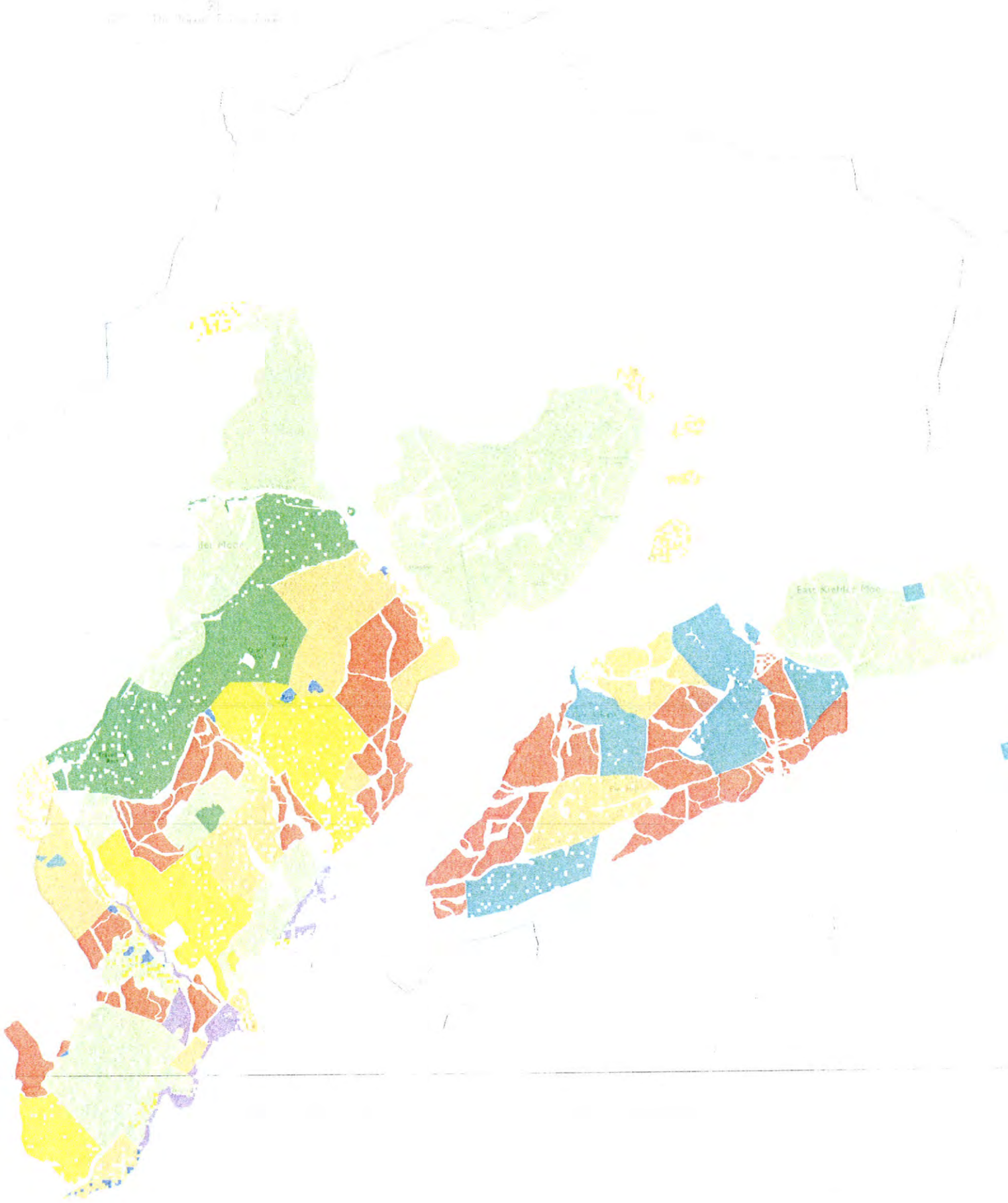
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Planting Year



Legend

Components  
PLYR

- Pre1930
- 1930 - 39
- 1940 - 49
- 1950 - 59
- 1960 - 69
- 1970 - 79
- 1980 - 89
- 1990 - 99
- Post 1999

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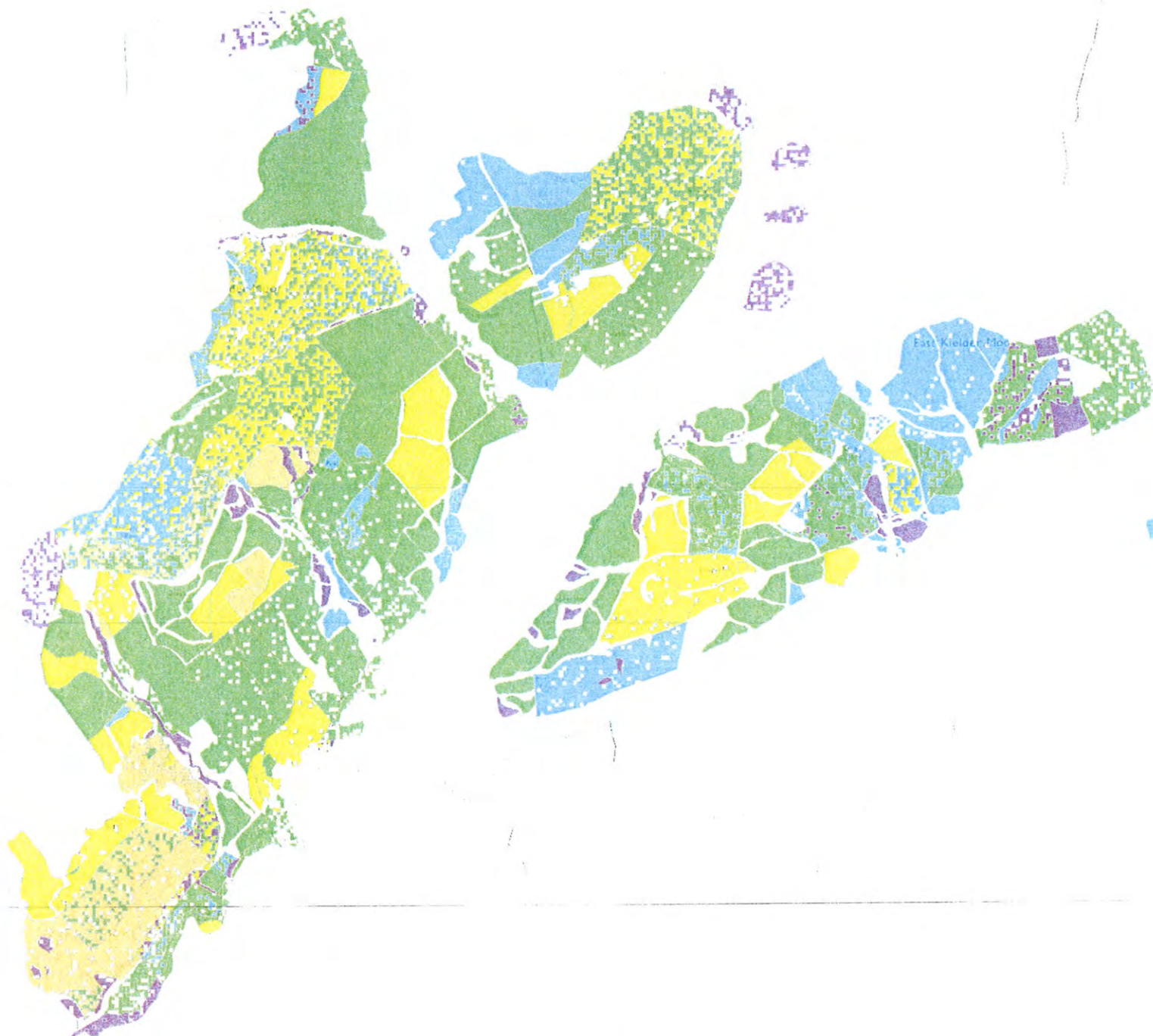
Yield Class

Legend

Components

YLDC

- 22 plus
- 18 to 20
- 14 to 16
- 10 to 12
- 6 to 8
- 2 to 4
- 0



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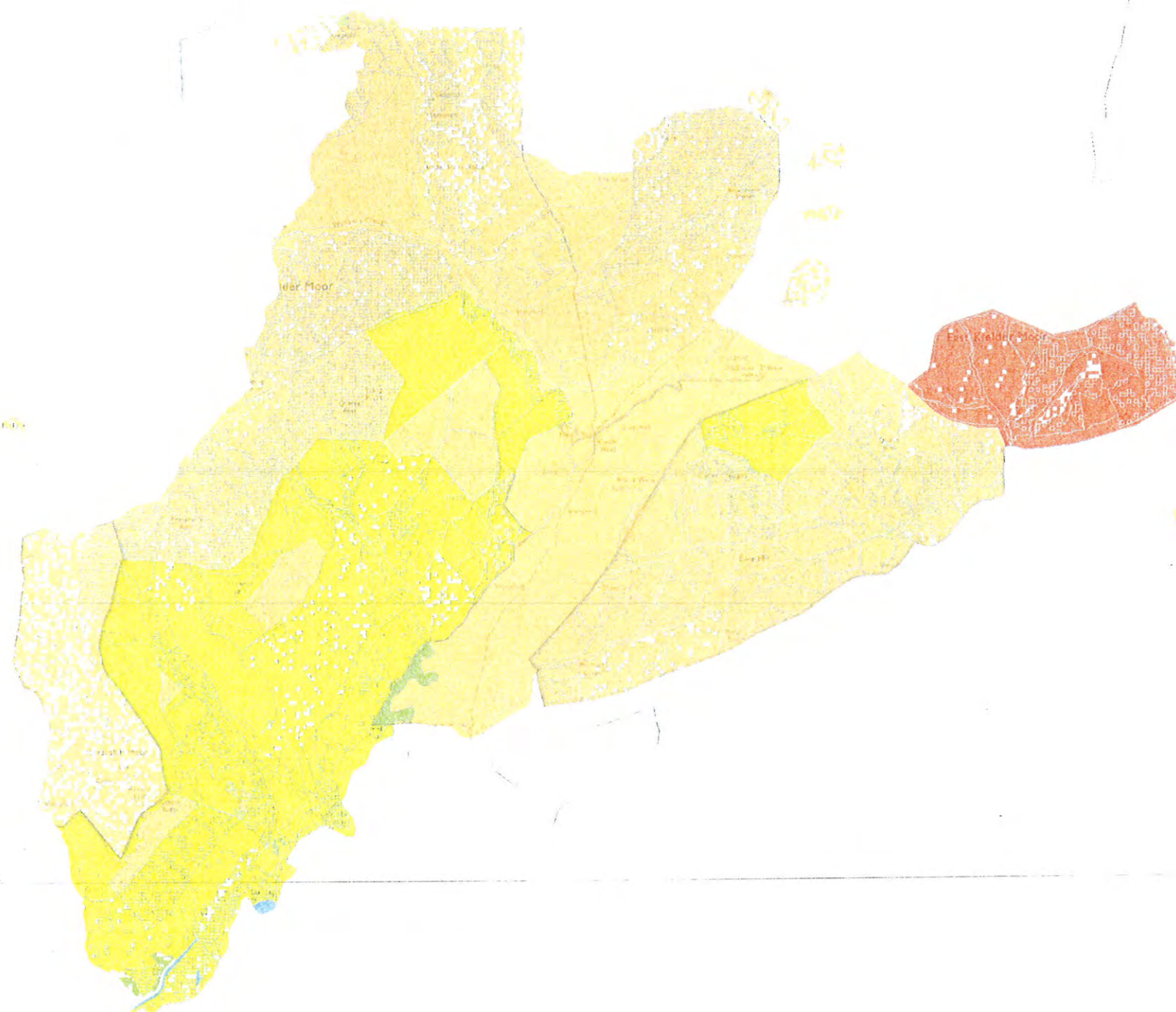
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Windhazard Class

### Legend

#### Components

#### WHCL



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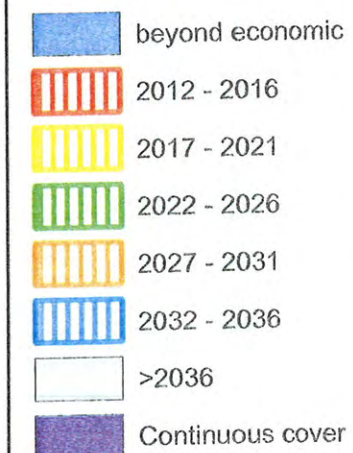
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Economic Felling

### Legend

Coupes  
OPTIMALYR



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Conservation

### Legend

- Conservation Site Point
- Conservation Site Line
- Conservation Site Polygon

- SAC
- NNR
- SSSI

asnw

STATUS

- ASNW
- PAWS

archaeology

- Listed building
- Scheduled monument
- Unscheduled monument
- archaeology\_line

water\_courses

- Major watercourses
- Minor watercourses

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## Landform

### Legend

#### landform

-  Major Ridges and Spurs
-  Minor Ridges and Spurs
-  Major Hollows and Gullies
-  Minor Hollows and Gullies

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Other Resources

### Legend

- Recreation site
- FC trails
- Footpath
- Bridleway
- BOAT
- Restricted byway
- Water pipeline
- Powerline Overhead
- Powerline Underground
- Gas Pipeline
- Class A
- Other FC Roads

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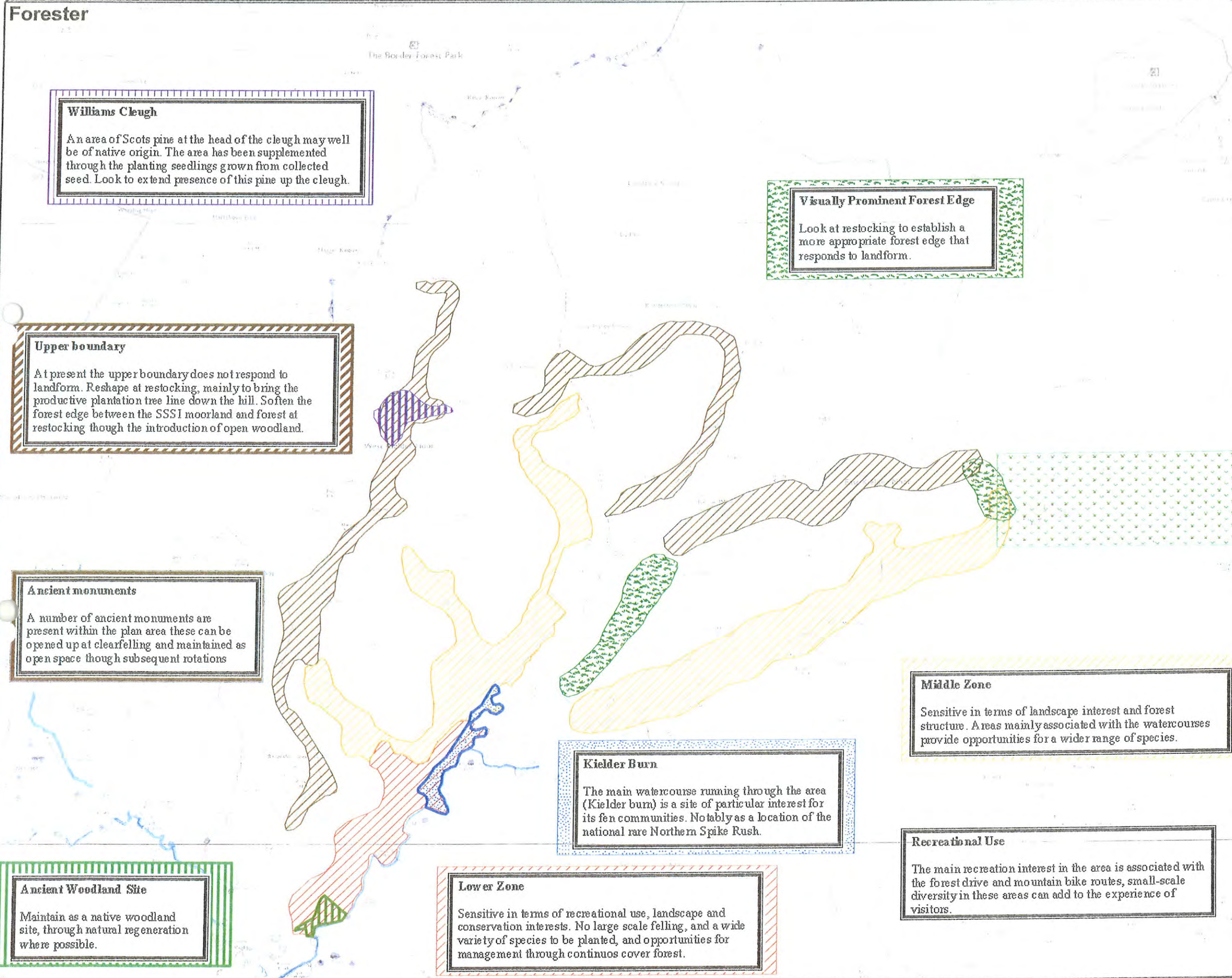
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## Design Concept

## Legend

### Category

-  Ancient woodland site
-  Kielder burn
-  Lower zone
-  Middle zone
-  Upper Margin
-  Visually prominent forest edge
-  William's cleugh
-  Main watercourses
-  archaeology



### Williams Cleugh

An area of Scots pine at the head of the cleugh may well be of native origin. The area has been supplemented through the planting seedlings grown from collected seed. Look to extend presence of this pine up the cleugh.

### Visually Prominent Forest Edge

Look at restocking to establish a more appropriate forest edge that responds to landform.

### Upper boundary

At present the upper boundary does not respond to landform. Reshape at restocking, mainly to bring the productive plantation tree line down the hill. Soften the forest edge between the SSSI moorland and forest at restocking through the introduction of open woodland.

### Ancient monuments

A number of ancient monuments are present within the plan area these can be opened up at clearfelling and maintained as open space through subsequent rotations

### Ancient Woodland Site

Maintain as a native woodland site, through natural regeneration where possible.

### Kielder Burn

The main watercourse running through the area (Kielder burn) is a site of particular interest for its fen communities. Notably as a location of the national rare Northern Spike Rush.

### Middle Zone

Sensitive in terms of landscape interest and forest structure. Areas mainly associated with the watercourses provide opportunities for a wider range of species.

### Lower Zone

Sensitive in terms of recreational use, landscape and conservation interests. No large scale felling, and a wide variety of species to be planted, and opportunities for management through continuous cover forest.

### Recreational Use

The main recreation interest in the area is associated with the forest drive and mountain bike routes, small-scale diversity in these areas can add to the experience of visitors.

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## Felling Proposals

### Legend

#### Coupes

#### FELLING\_YEAR

-  2007 - 2011
-  2012 - 2016
-  2017 - 2021
-  2022 - 2026
-  2027 - 2031
-  2032 - 2036
-  >2036
-  CCF/Min Intervention
-  Other FC Roads
-  Class A
-  Proposed roads



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### FOREST ENTERPRISE DESIGN PLAN

No. 100 Name EAST Kielder

Amendment No. 1 Dated 27/7/11

Approved by [Signature]

Name/Grade R. J. Law PB3

Date 27/7/11

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## Restocking Proposals

### Legend

#### Revised restocking Species

-  Larch
-  Larch Broadleaves
-  Larch Sitka spruce
-  Larch / Other conifer
-  Broadleaf
-  Other conifer
-  Mixed woodland
-  Open woodland
-  Sitka Lodgepole
-  Sitka spruce



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#### FOREST ENTERPRISE DESIGN PLAN

No ..... Name .....

Amendment No ..... Date .....

Approved by 

Name/Grade  R.S. Lewis RB3

Date 29/7/11

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## Views



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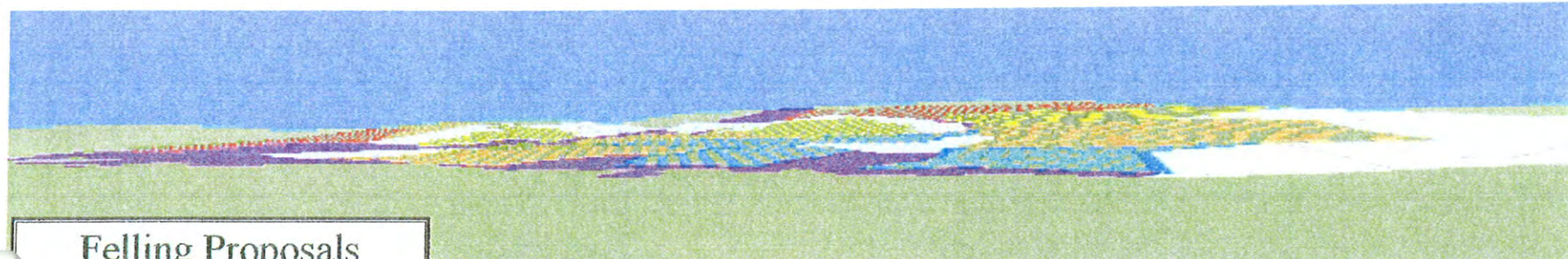
View 1



View 2



### View 2 Scaupe From Ewe Hill

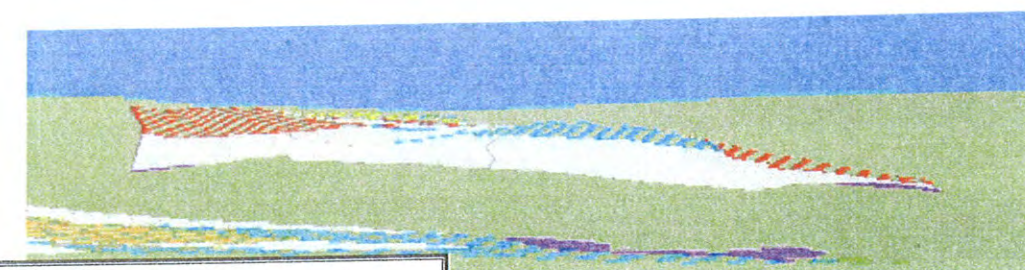


Felling Proposals



Restocking Proposals

### View 1 Ewe Hill from Deadwater summit



Felling Proposals



Restocking Proposals



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