

North Reservoir Forest Design Plan

Introduction

The North Reservoir Forest design plan covers 6,624 hectares of the core of Kielder Forest north of the Reservoir. The terrain of the area is a steadily rising slope from the reservoir intersected by a number of streams notably the Belling burn. The forest is dominant in the view north from the C200 along the south shore of the reservoir and visited attractions (eg Plashets forms the majority of the view north across the reservoir from Leaplish). The wind hazard class of the plan area is generally high (the majority being design as class 5), though does rise to reflect the increase in altitude moving northwards, opportunities to employ continuous cover forestry are therefore limited beyond the lake shore and at Sid wood. The majority of crops are growing well (achieving yield class 12). They are a mixture of younger second rotation crops, and first rotation crops of which a significant proportion are at or past the date of economic maturity.

Achievements since last revision

1. Ancient monuments : The following scheduled ancient monuments fall within the plan area Romano British farmstead (smr 25075), Shilla Hill bastle (smr 25079), Bog Head bastle (smr 25080), Woodhouse Bastle (smr 25137). The following works have been carried out since last revision with the agreement of English Heritage. Remedial work on the settlement, removal of vegetation and renew of the mortar on the two bastles.
2. North shore : The north shore of the reservoir is visually prominent with in Kidder, notably forming the backdrop to visitor attractions on the south shore (notably Leaplish). It is also an important area for recreation by bike and on foot. Since the last revision the round the lake trail has been complete and draws more visitors to this section of forest. It is manage through appropriate scale clearfelling and where practical opportunities exist through continuous cover silvicultural management.
3. Moorland Boundary : an element of open woodland is being established at the forest open moor interface
4. Ancient semi natural (ASNW) and ancient replanted woodland (PAWs) : Areas of ancient semi-natural and ancient replanted woodland exits where the Plashets burn enters the reservoir, The plantation on the ancient woodland site has been removed and restocked with native broadleaf species. Additionally a section has been fence and is now grazed with cattle. The vegetation is being monitored
5. Sid Wood : An area of relatively stable site types adjacent to the Tarsset burn. Previously identified for management under continuous cover silviculture. However a section has suffered from windthrow and the area suitable for management through continuous cover forestry reduced. The area of CCF in this location has therefore been rationalized.
6. Falstone Village : Section of forest at Falstone which was designated for management through CCF no longer practical and redesignated as a series of three clearfells
7. Border mire sites No SSSI mire sites are present within the plan area though the none designated sites of Earls Seat and Rabbit Crag the other sites are scheduled for clearance and will be maintained as open habitat with a minimum of a 30m buffer open around them.

Alterations to felling and restocking proposals

Felling proposals : Area in Sid wood previously designated for management as CCF now change to clearfell plus some other minor changes to coupe boundaries

Restocking proposals : 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

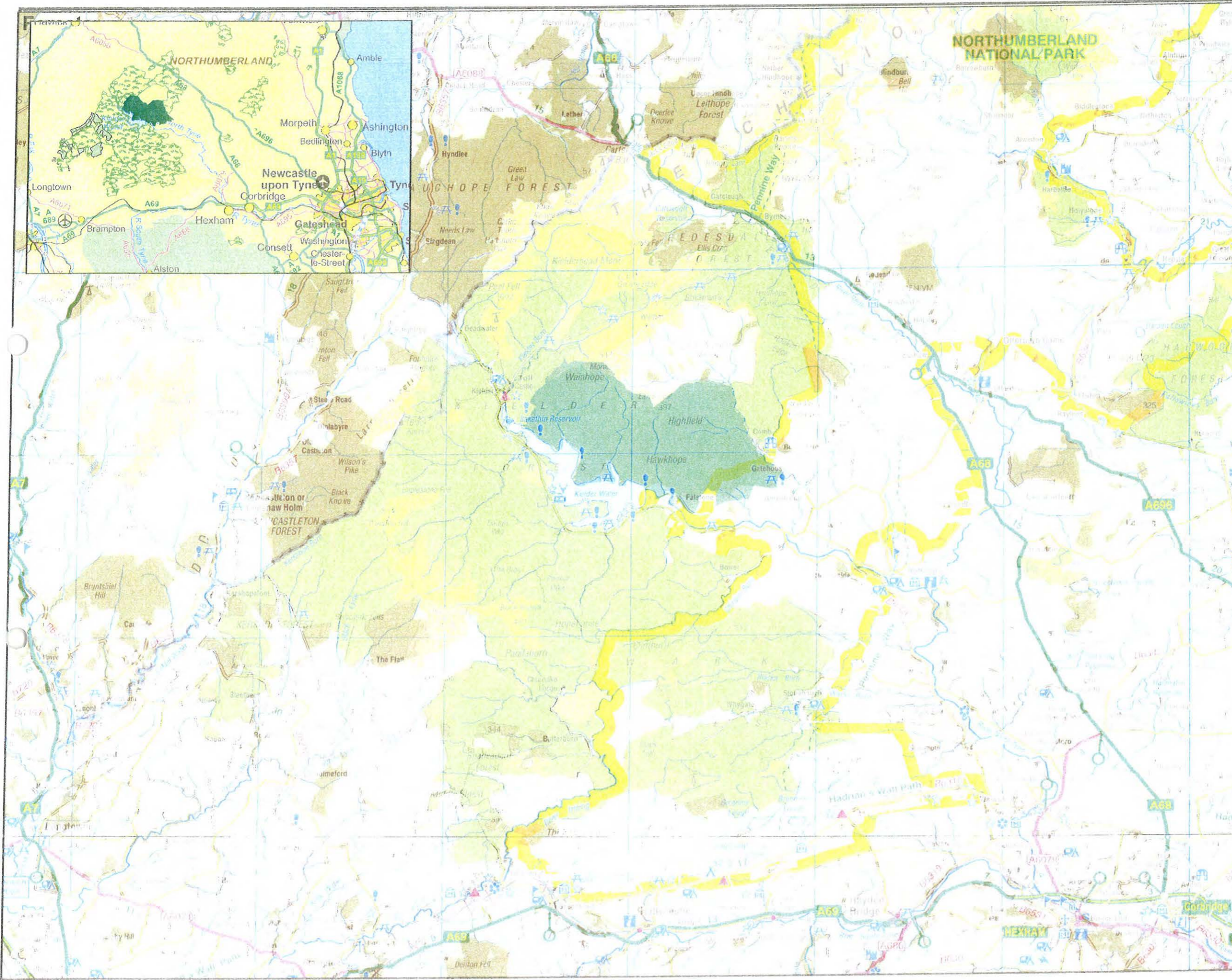
Legend

-  Plan area
-  Other FC land
-  Other woodland

Scale
Date

1:200,000
Jan 2011

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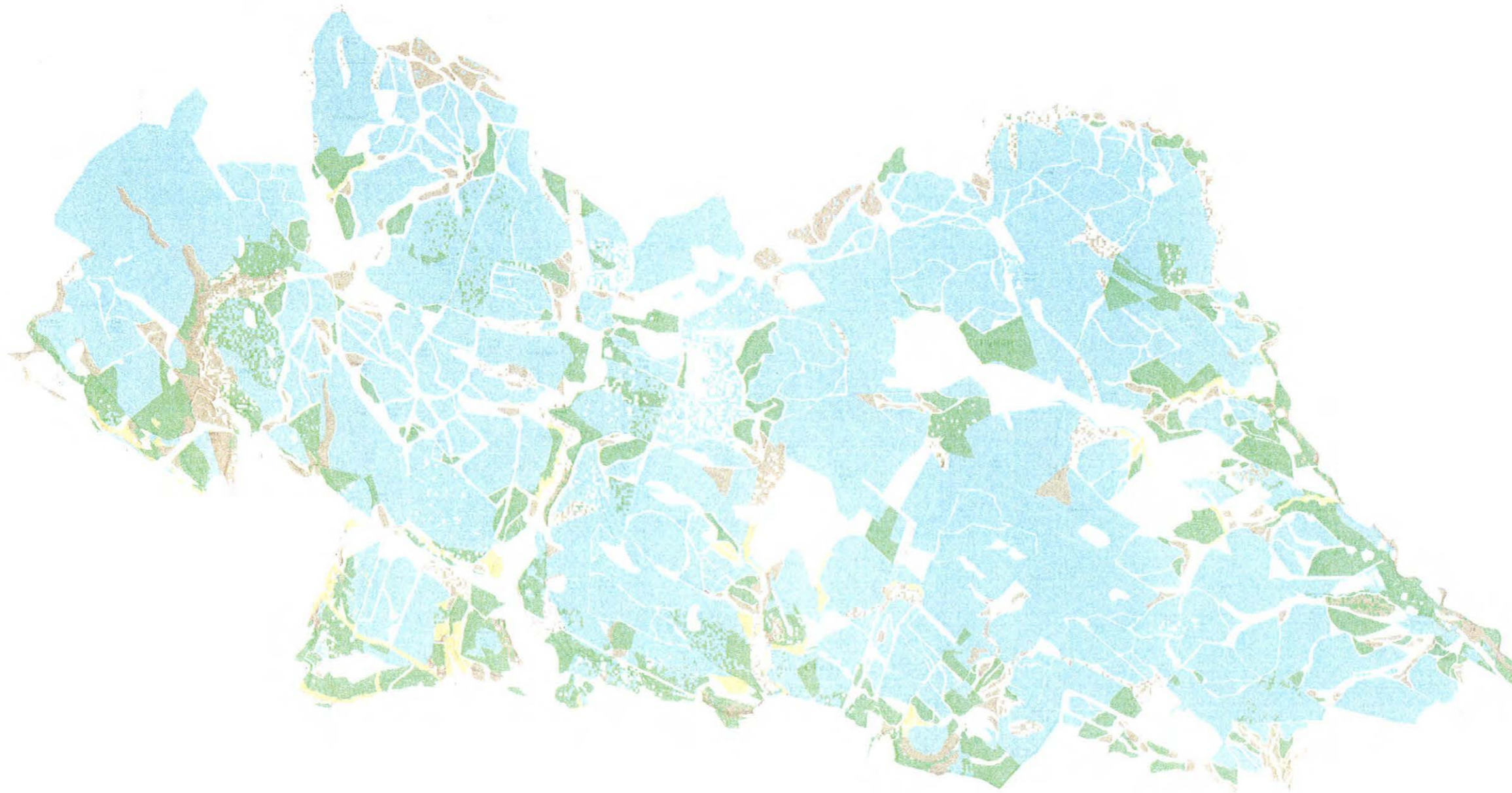
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Current Species



Legend

Components

Species

-  Broadleaf
-  Sitka spruce
-  Other evergreen conifer
-  Larch

Scale
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1:46,953
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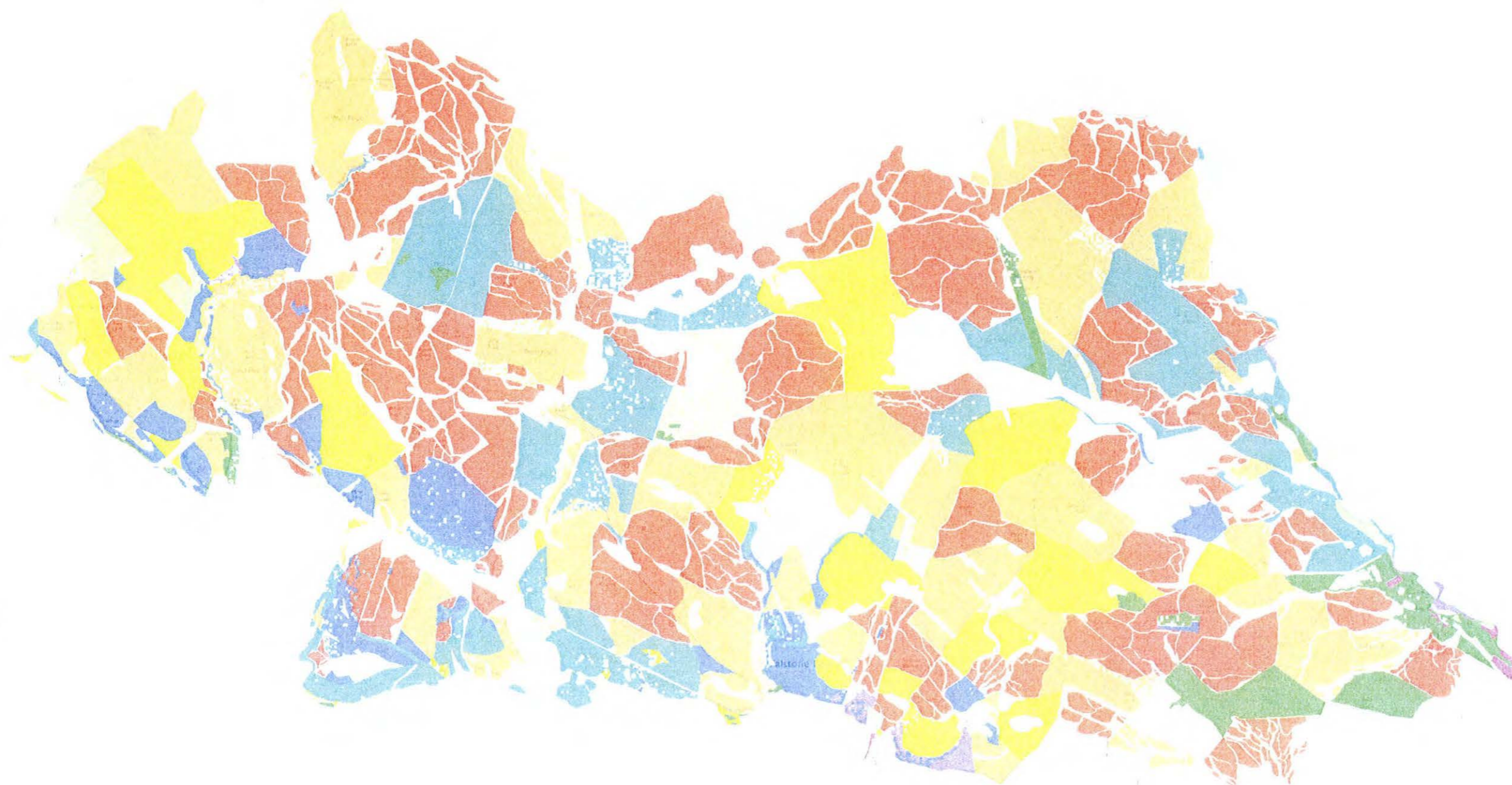
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Planting Year



Legend

Components

PLYR

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

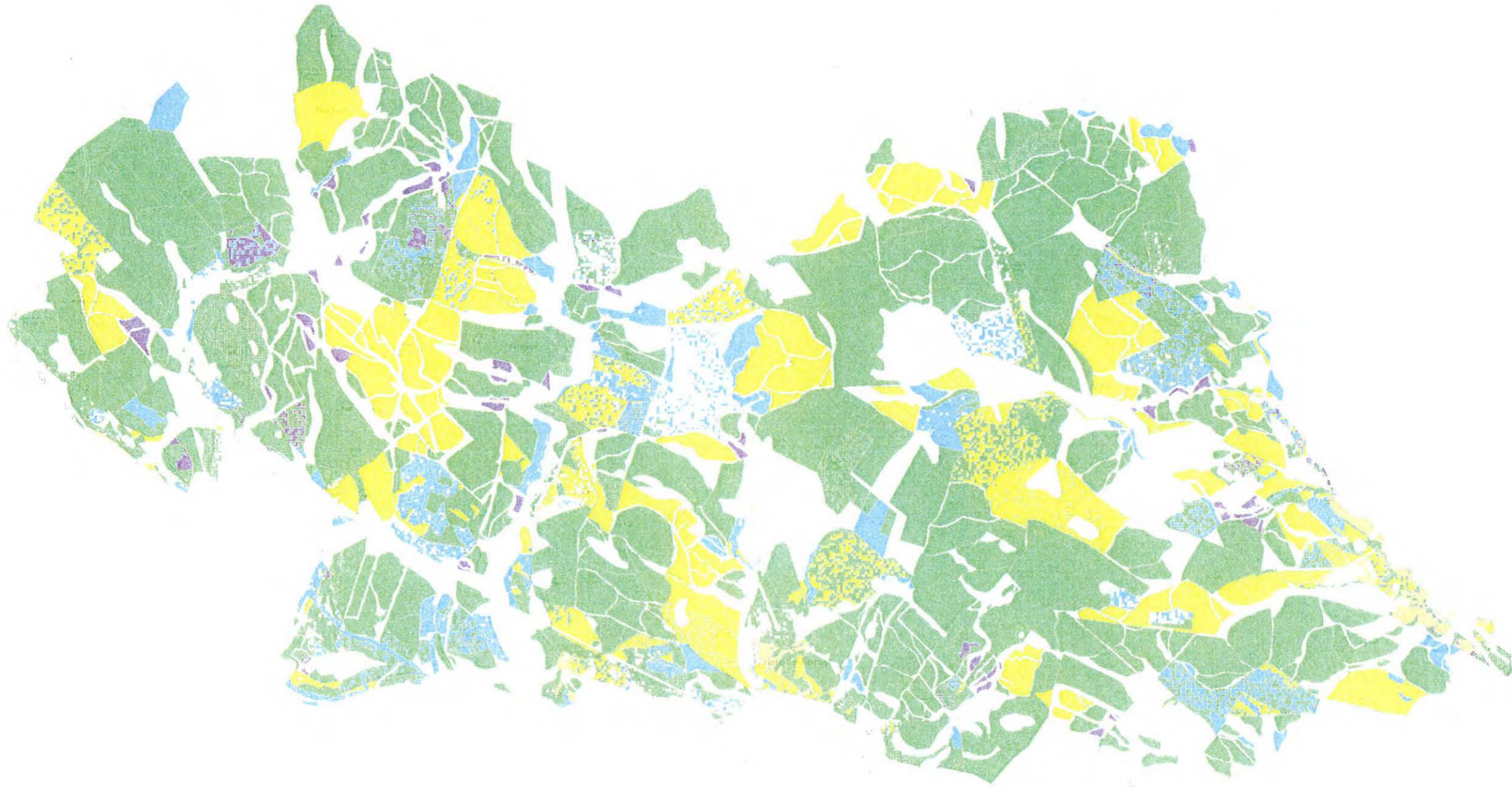
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Yield Class



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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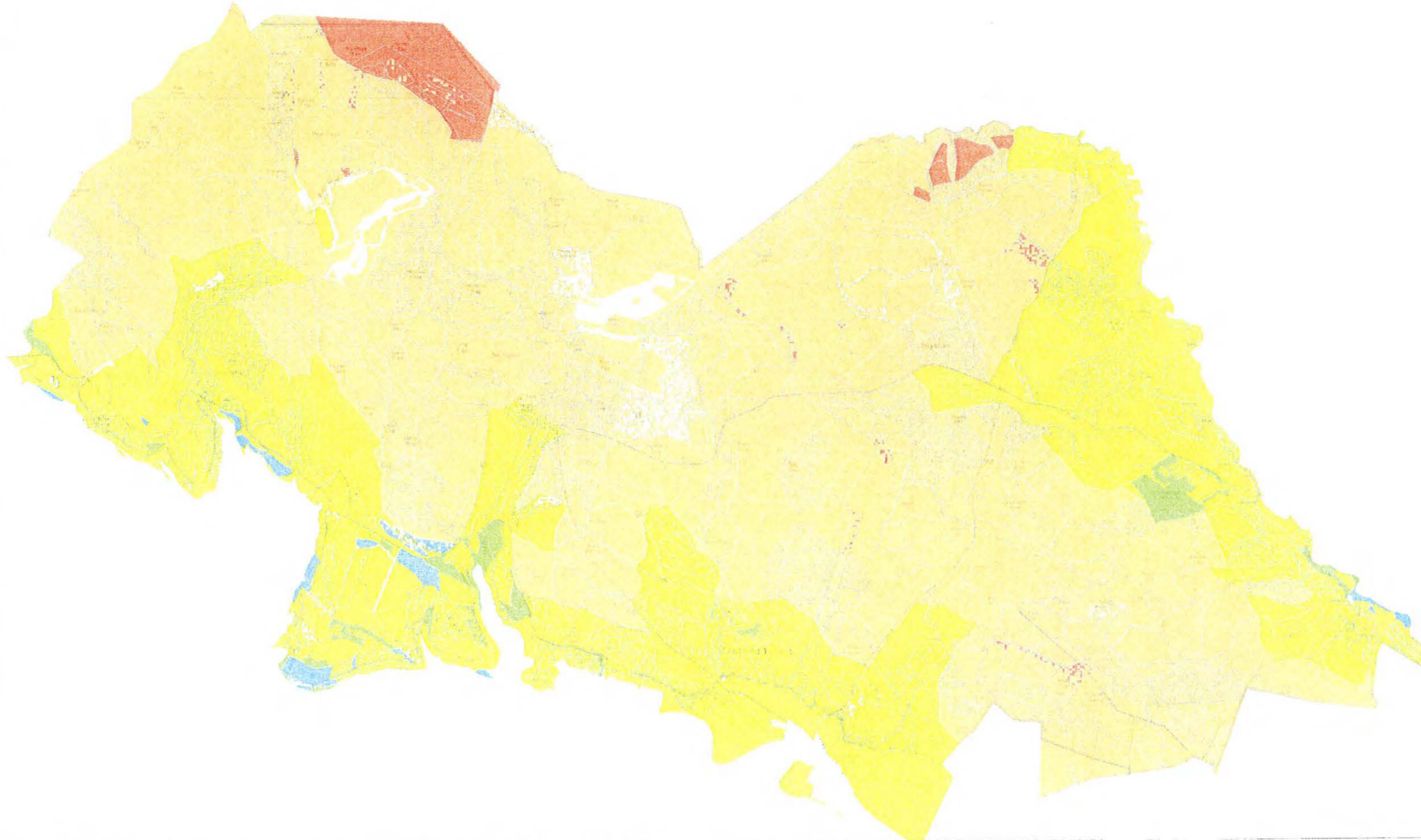
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Windhazard Class



Legend

Components

WHCL

-  1
-  2
-  3
-  4
-  5
-  6

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Economic Felling



Legend

Coupes
OPTIMALYR

-  beyond economic
-  2012 - 2016
-  2017 - 2021
-  2022 - 2026
-  2027 - 2031
-  2032 - 2036
-  >2036
-  Continuous cover

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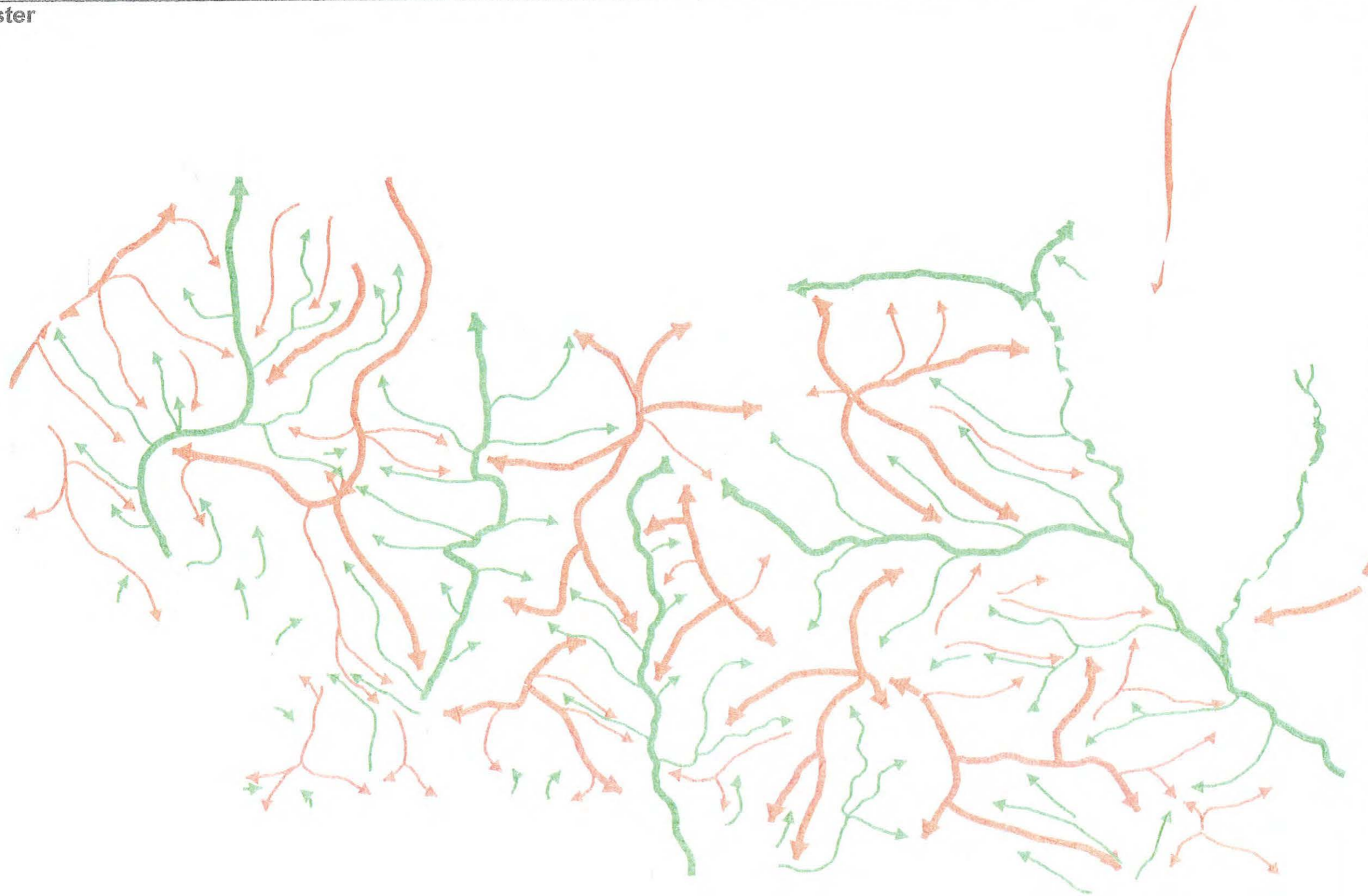
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Landform



Legend

landform

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

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Conservation

Legend

archaeology

- Listed building
- Scheduled monument
- Unscheduled monument

water_courses

- Major watercourses
- Minor watercourses
- archaeology_line
- Conservation Site Point
- Conservation Site Line
- Conservation Site Polygon

- SAC
- NNR
- SSSI
- border mires

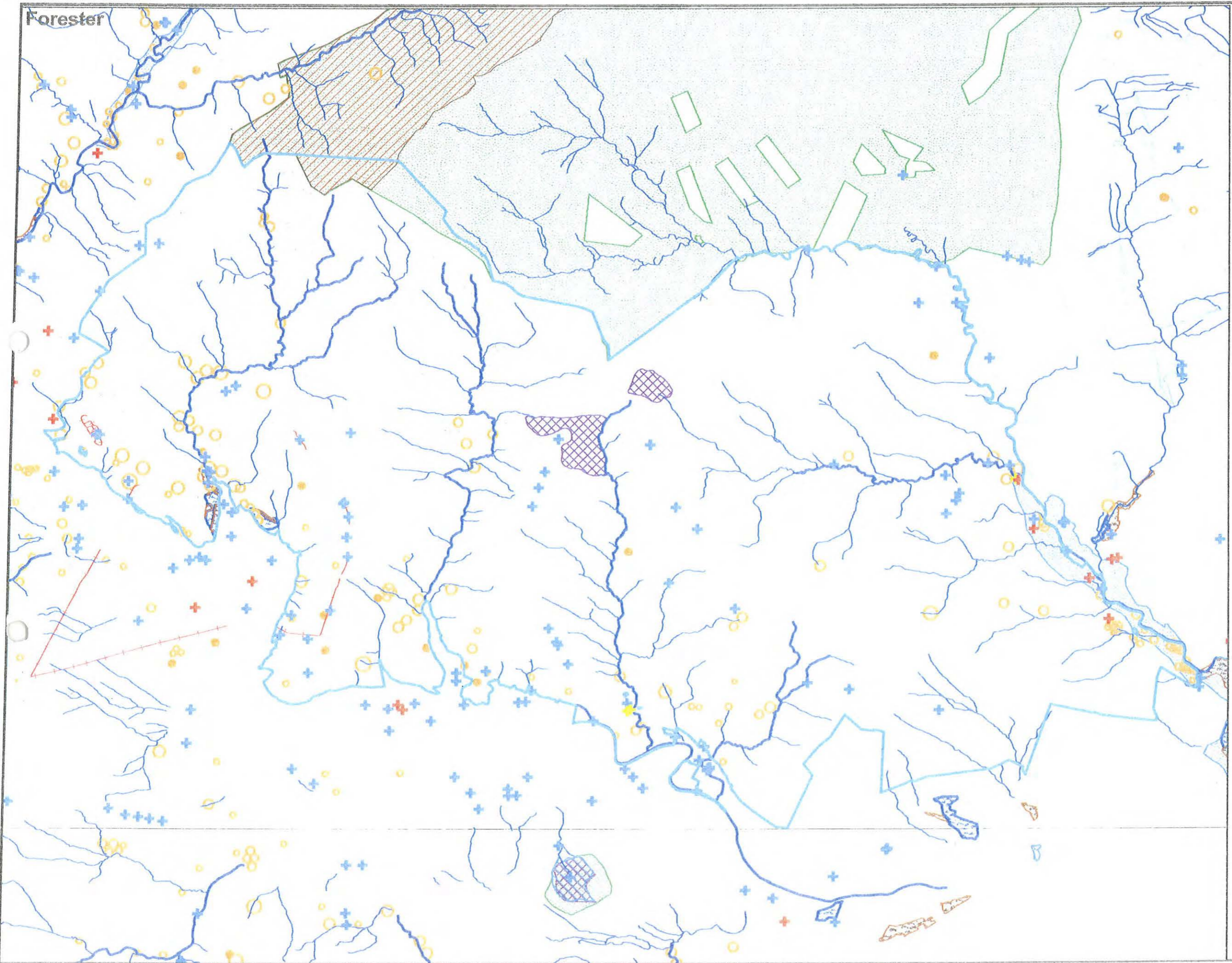
asnw

STATUS

- ASNW
- PAWS

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Other Resources



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

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Watercourses

The main watercourses provide both the main structural diversity within the plan area and these areas have and continue to provide sites with the greatest potential for the introduction of diversity through the establishment of broadleaf and other conifer species

Border mires

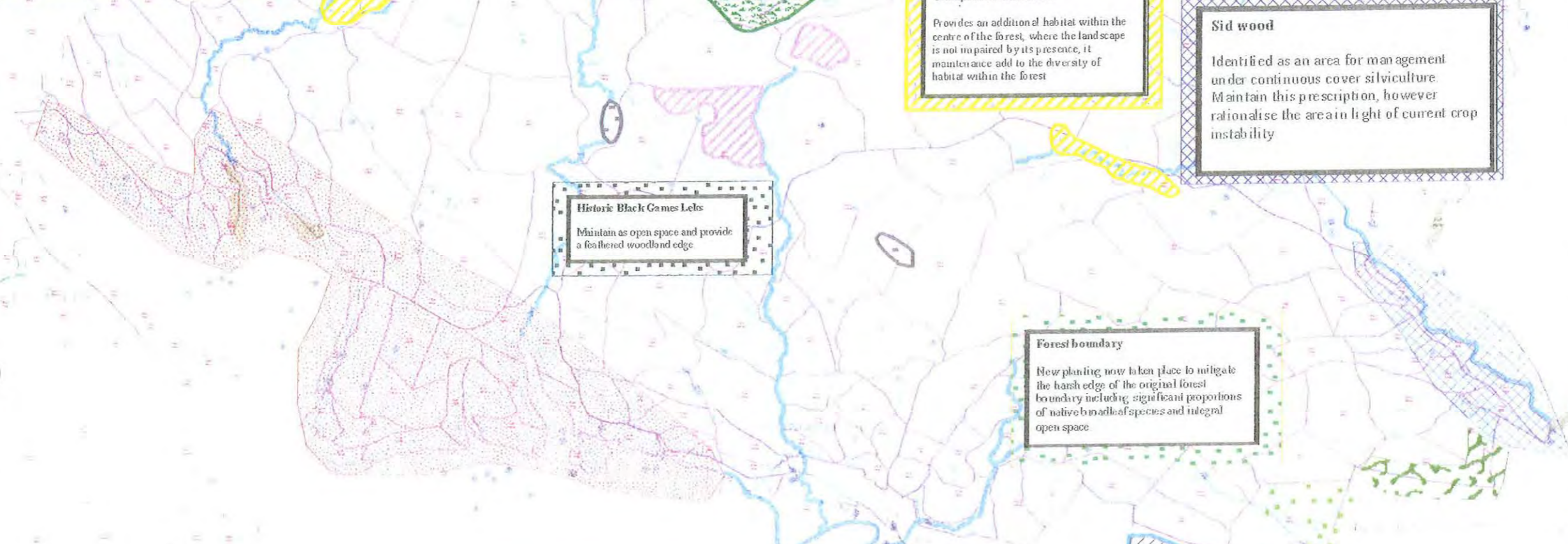
Border mires are a series of raised blanket mire, and an internationally important habitat. Where afforested at clearfelling maintain the mire surface as an open habitat through subsequent rotations

Forest moorland edge

Mitigate the transition of forest to moorland by softening the planting at the forest edge and increasing the amount of open woodland planting at the forest edge.

Coupe size

Ensure that the shape and scale of felling coupes are in scale with the landform. Though maintaining a structure of windfirm boundaries allowing for options in design at subsequent felling.



Historic Black Games Leks

Maintain as open space and provide a feathered woodland edge

Unimproved Grassland

Provides an addition of habitat within the centre of the forest, where the landscape is not impaired by its presence, it maintenance add to the diversity of habitat within the forest

Sid wood

Identified as an area for management under continuous cover silviculture. Maintain this prescription, however rationalise the area in light of current crop instability

Forest boundary

New planting now taken place to mitigate the harsh edge of the original forest boundary including significant proportions of native broadleaf species and integral open space

Ancient woodland site

Areas of ancient semi-natural and ancient replanted woodland. Where felled these have been replanted with native broadleaf species, and the area extended. Look to maintain as native broadleaf species. Part of the area is also subject to a cattle grazing scheme

Reservoir North Shore

The north shore of the reservoir is both the main visual and recreation zone within the plan area. Access has increase through the construction of the lakeside way. Maintenance of a forest feel and appropriate scale of diversity with mixed woodland and where suitable management through continuous cover silviculture

Forest boundary

New planting now taken place to mitigate the harsh edge of the original forest boundary including significant proportions of native broadleaf species and integral open space

Straight forest edge

Majority of the original straight forest boundary now mitigated through clearfelling and restocking more appropriate to the landform. Remaining straight boundary to be clearfelled during the next felling period.



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Design Concept

Legend

category

- Moorland boundary
- Reservoir North Shore
- Sid wood
- Forest boundary
- Historic leks
- Corridor planting
- Straight forest edge
- Unimproved grassland
- Ancient woodland site
- Main watercourses

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FOREST ENTERPRISE DESIGN PLAN

No 105 Name NORTH Reservoir

Amendment No _____ Date _____

Approved by *[Signature]*

Name/Grade R. J. Law PRS

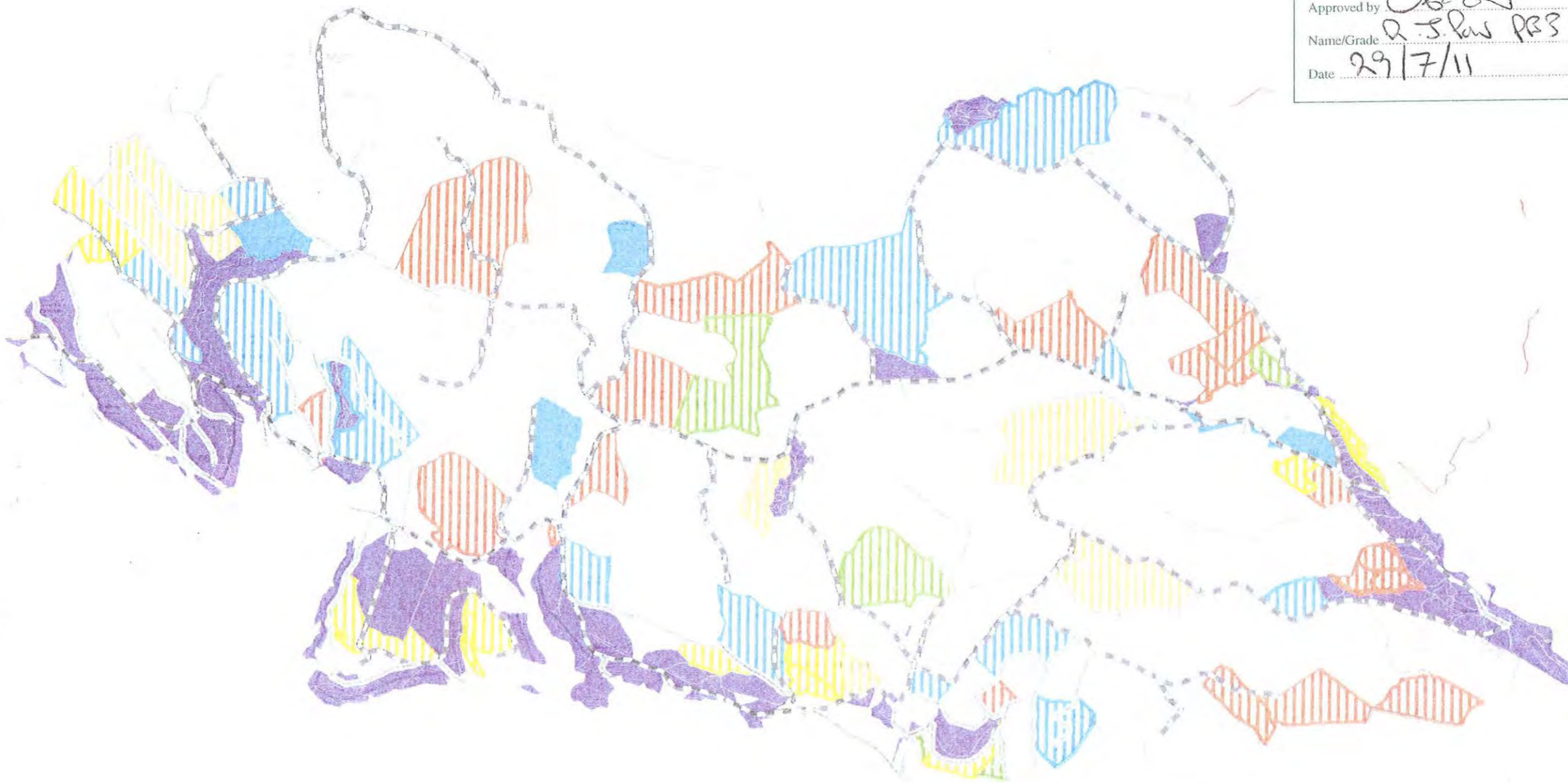
Date 29/7/11



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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

Scale
Date

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Jan 2011

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FOREST ENTERPRISE DESIGN PLAN

No. 105 Name: NORTH Reservoir

Amendment No. Dated

Approved by: *R.S.P.*

Name/Grade: R.S.P. PBS

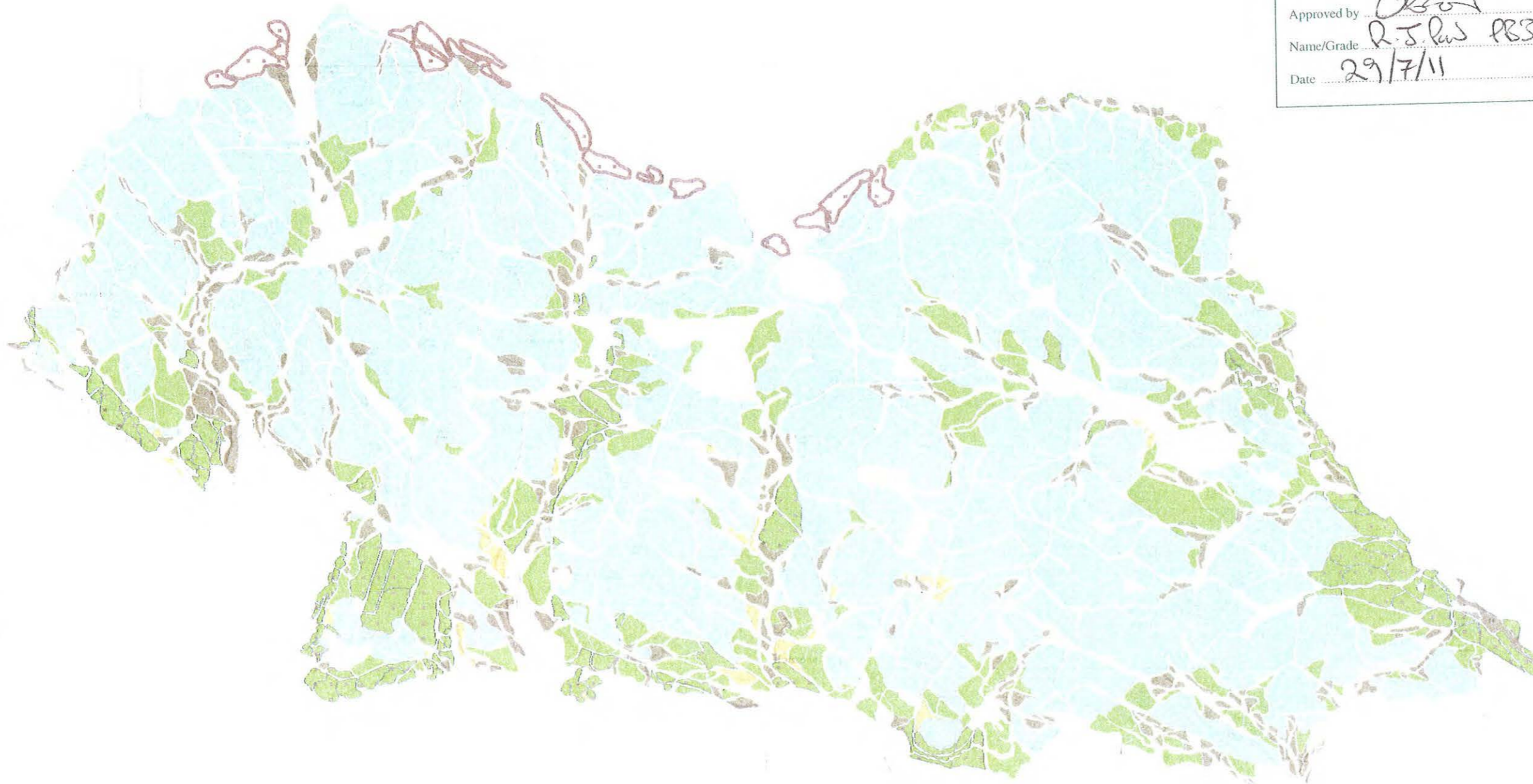
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Restocking Proposals



Legend

Revised restocking Species

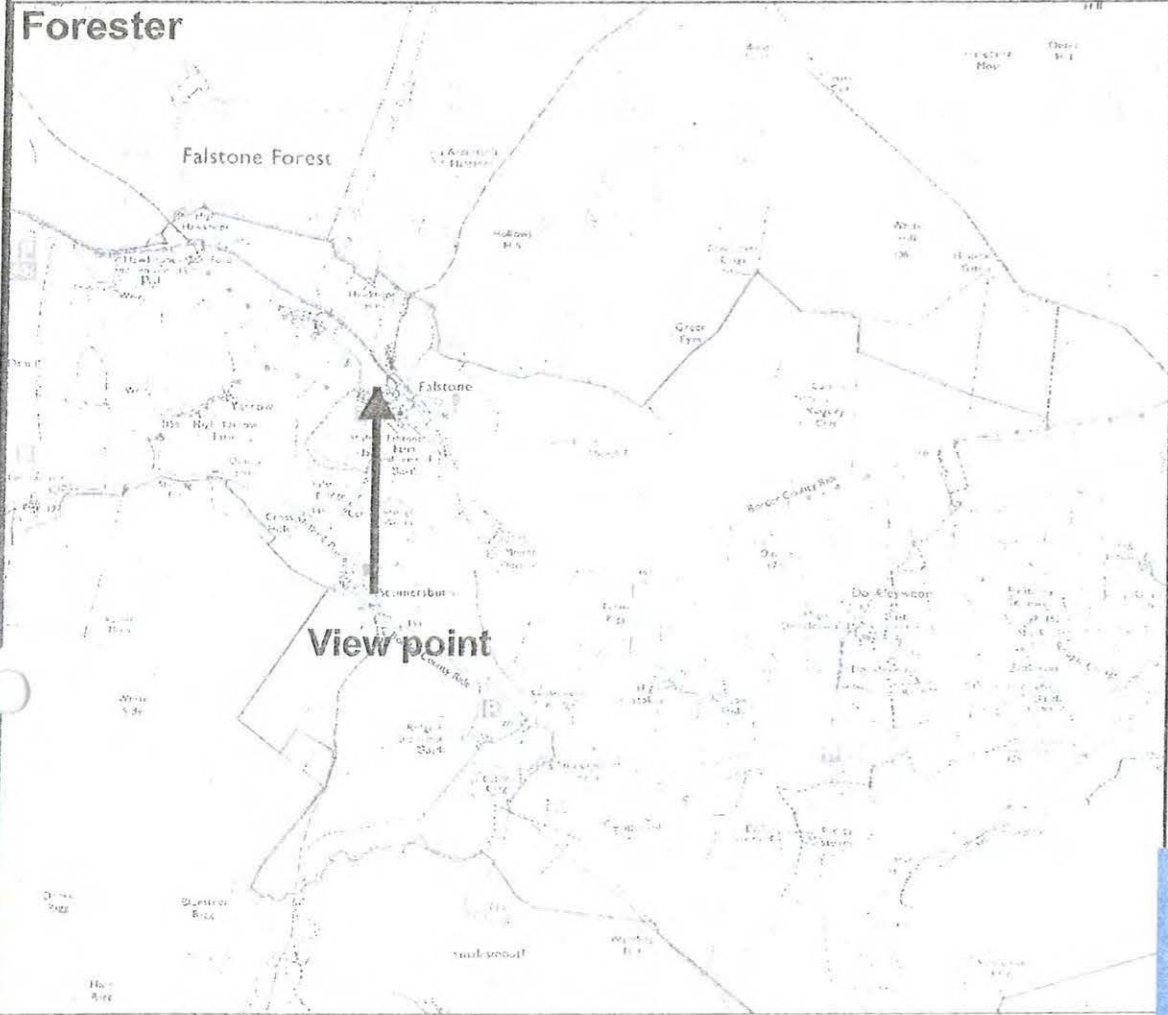
- Larch
- Larch Broadleaves
- Larch Sitka spruce
- Larch / Other conifer
- Broadleaf
- Other conifer
- Mixed woodland
- Open woodland
- Sitka Lodgepole
- Sitka spruce

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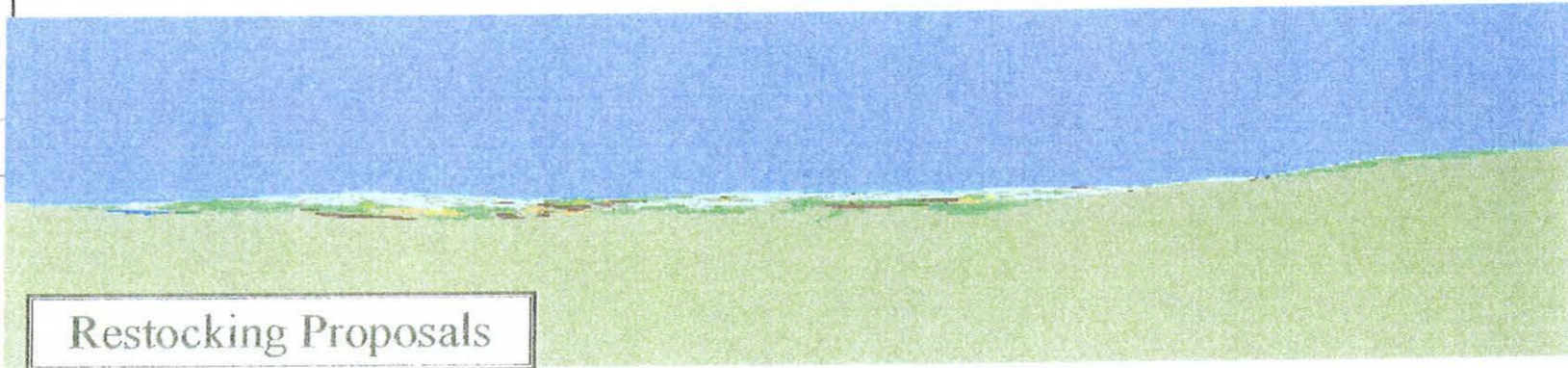
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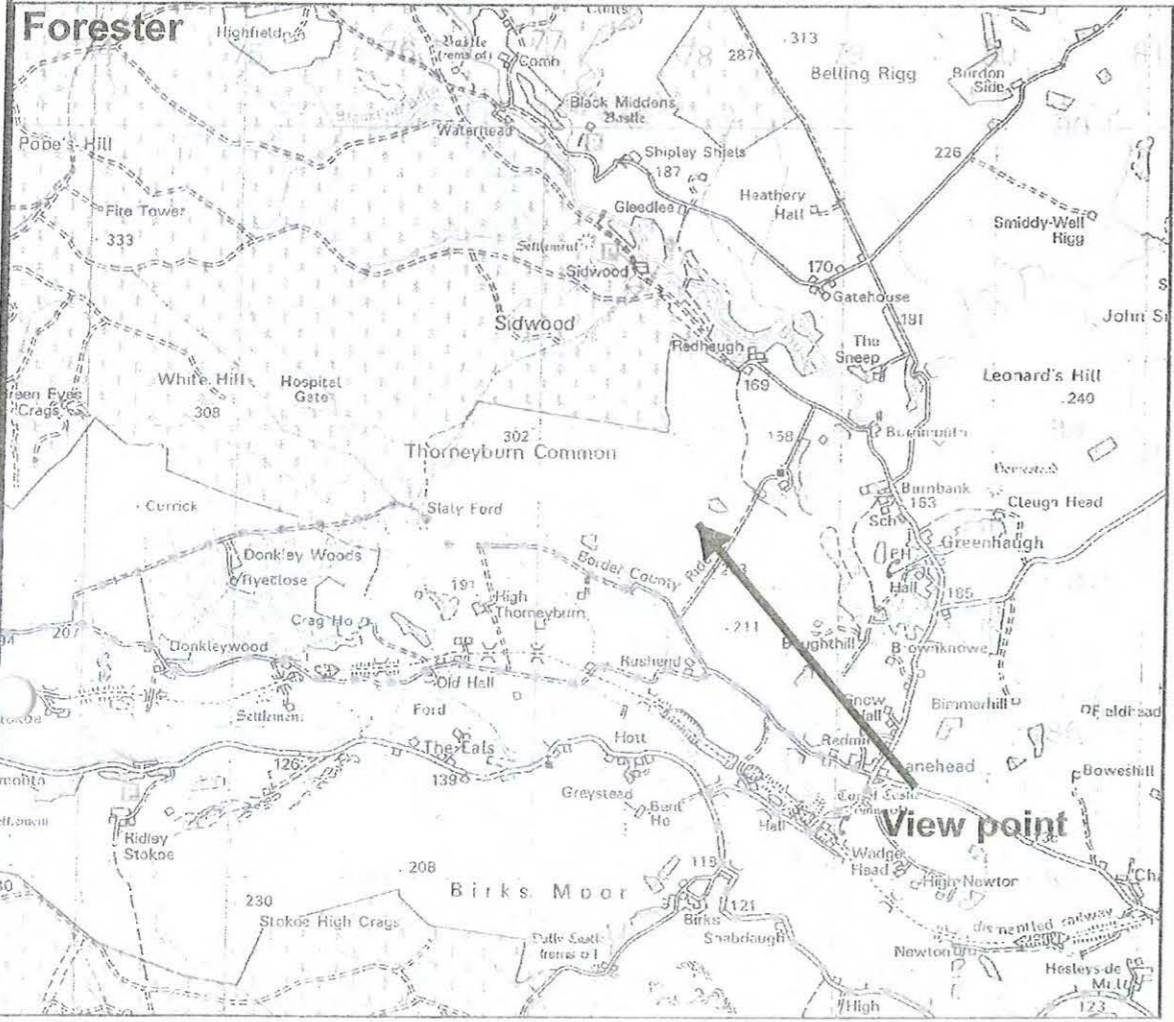
View from access to Falstone village

An area previously designated for CCF management is no longer practical it has therefore been rescheduled for clear. However the land form will mitigate the effect in view from the village



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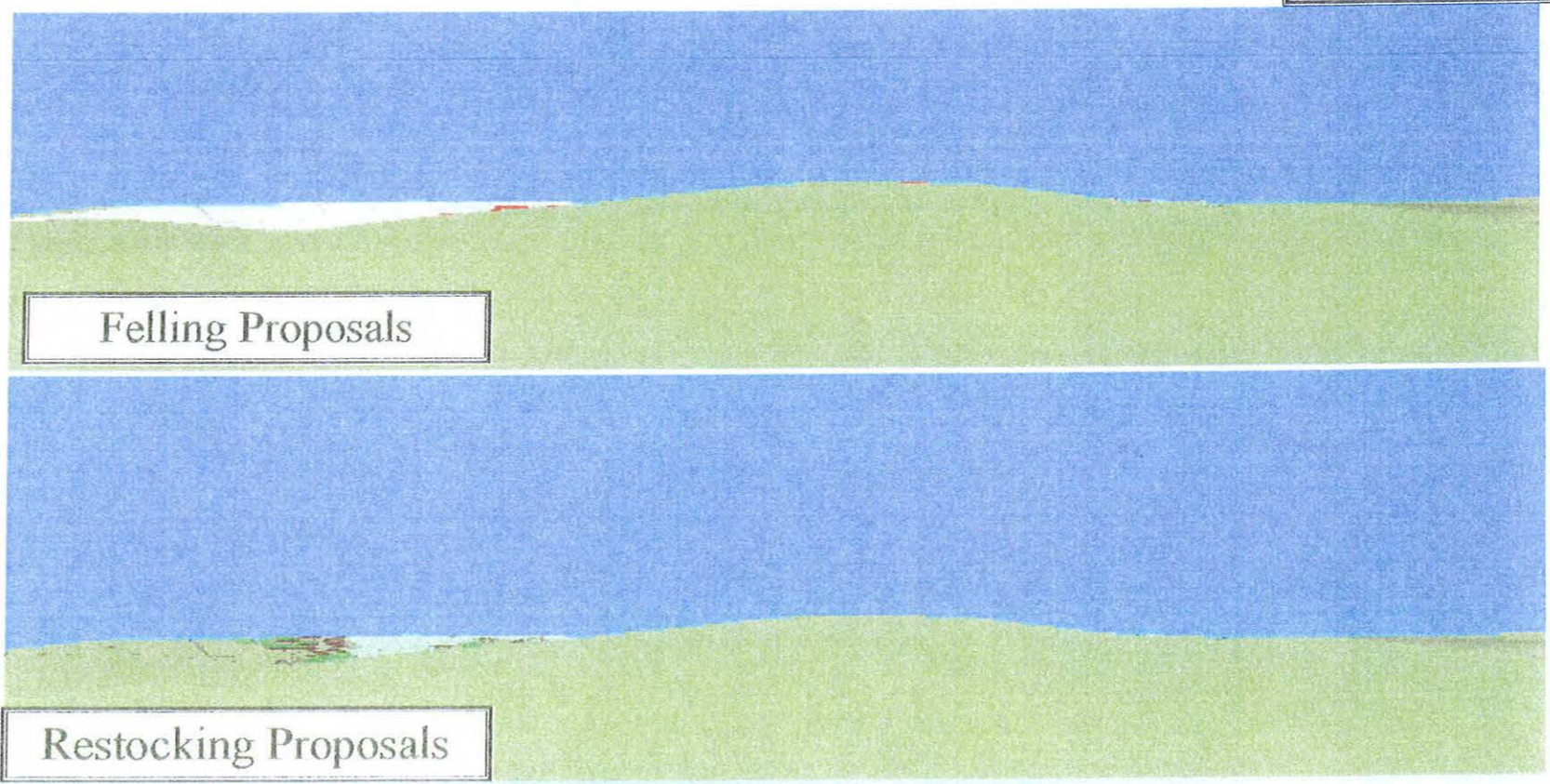
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View from Lanehead

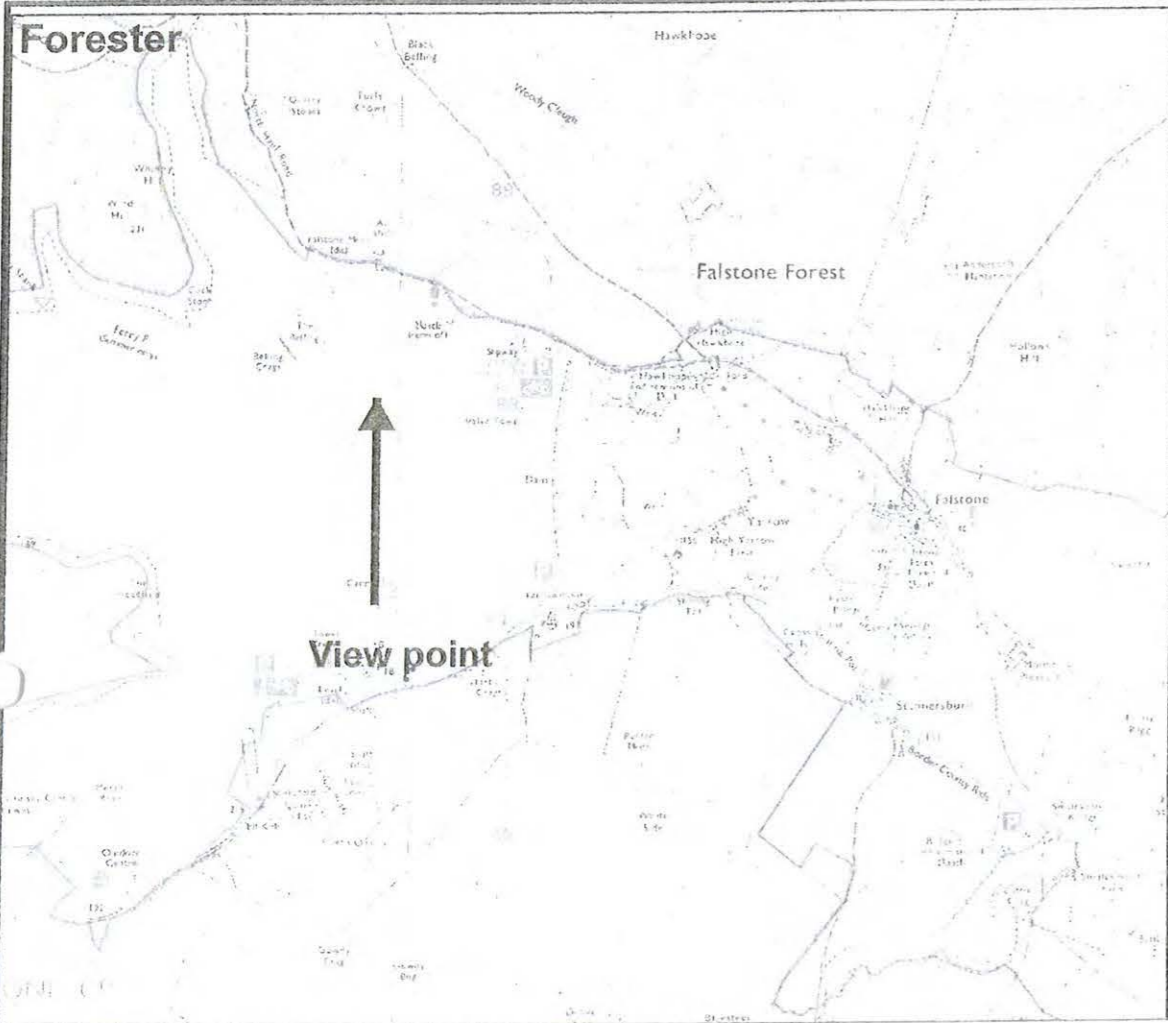


Felling and restocking is starting to remove the straight forest boundary.



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View from Tower Knowe Visitor Centre

