

Lewisburn Forest Design Plan

Introduction

The Lewisburn forest design plan covers 4237 hectares of the forest from the south shore of Blakethin reservoir to the boundaries of Kerhope and Scotland. The terrain is rolling hills incised by the Lewisburn and its tributaries. 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 more stable sites, though the some crops are beyond a point where conversion is practical and high windhazard 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. Other than internal views along the C200 and the immediate south shore (now designated for management as continuous cover forestry) not prominent in any major views.

Achievements since last revision

1. Border mires : SSSI border mires that where afforested have now been clear of forest cover drains blocked and cleared of any natural regeneration. All are now in unfavorable recovering condition and meet the Public Service Agreement (PSA) 2010 target. The mire and a minimum of a 30m buffer will be maintained as open space habitat
2. Continuous Cover : Continuous cover area has been thinned
3. Moorland Boundary : an element of open woodland is being established at the forest open moor interface
4. Upper restocking boundary : where clearfelling has taken place adjacent to the open moor of the Western Moor the upper forest boundary has been lower to bring it of the moorland plateau, and element of open woodland are being established to mitigate the previously harsh transition from high forest to open moorland.
5. Ancient monuments : The Lewisburn shieling (smr 25127) has had the tree cover removed, with the consent of English Heritage.
6. Buckfell plantation : remnant of mixed woodland which was proposed for management through minimum intervention is being managed as such
7. Right of way are being left unplanted at restocking, the width of the unplanted land along rights of way will he varied, but never less than 3m for footpaths and 4m for bridleways. Trees planted adjacent to public rights of way will be pruned as required to maintain free access.

Alteration to felling and restocking proposals

Felling proposals : some 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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England

Kielder Forest

Location map

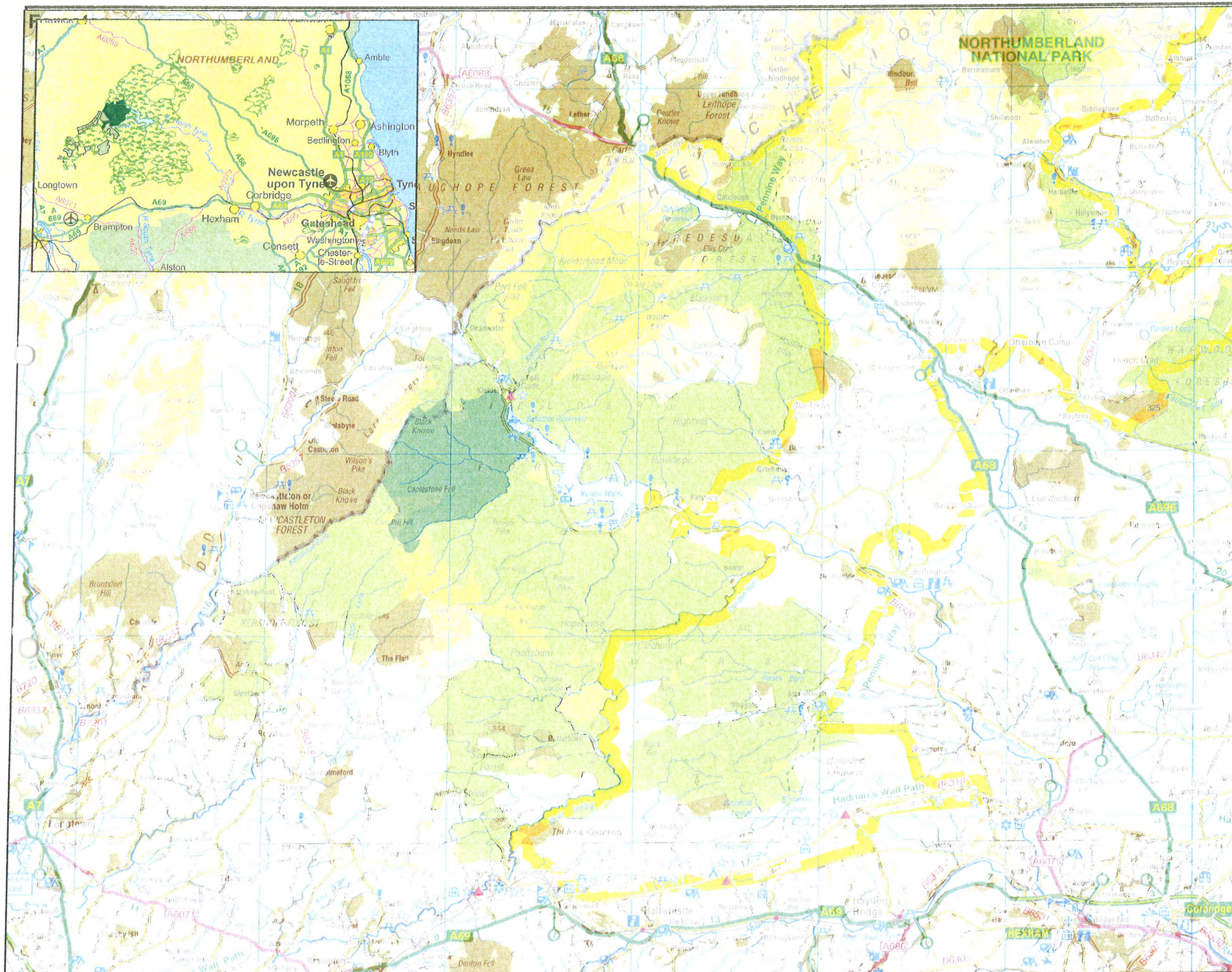
Legend

-  Plan area
-  Other FC land
-  Other woodland

Scale
Date

1:200,000
Jan 2011

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Forester



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Current Species

Legend

Components

Species

- | | |
|---|-------------------------|
|  | Broadleaf |
|  | Sitka spruce |
|  | Other evergreen conifer |
|  | Larch |

Scale
Date

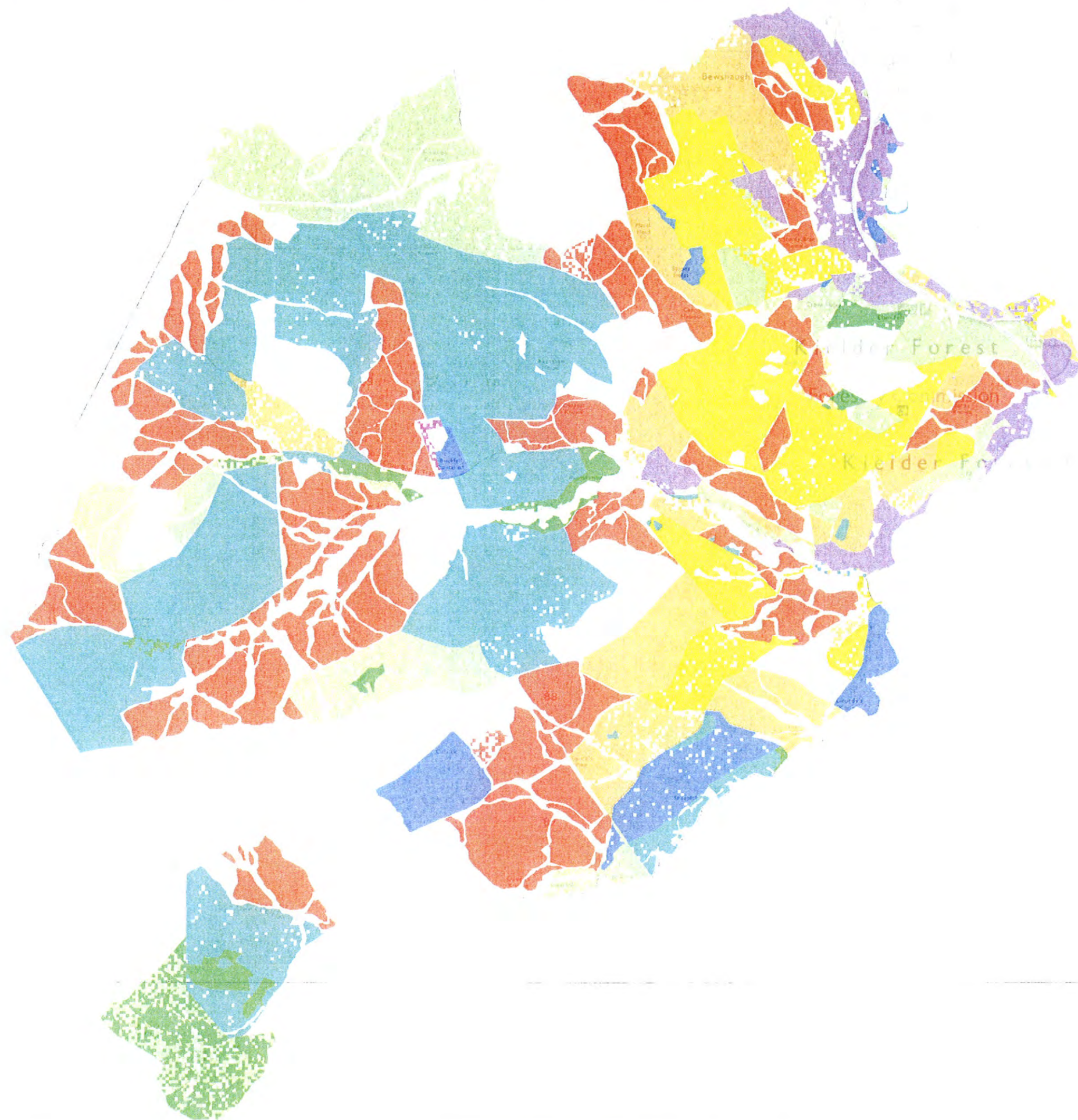
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Planting Year



Legend

Components

PLYR

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

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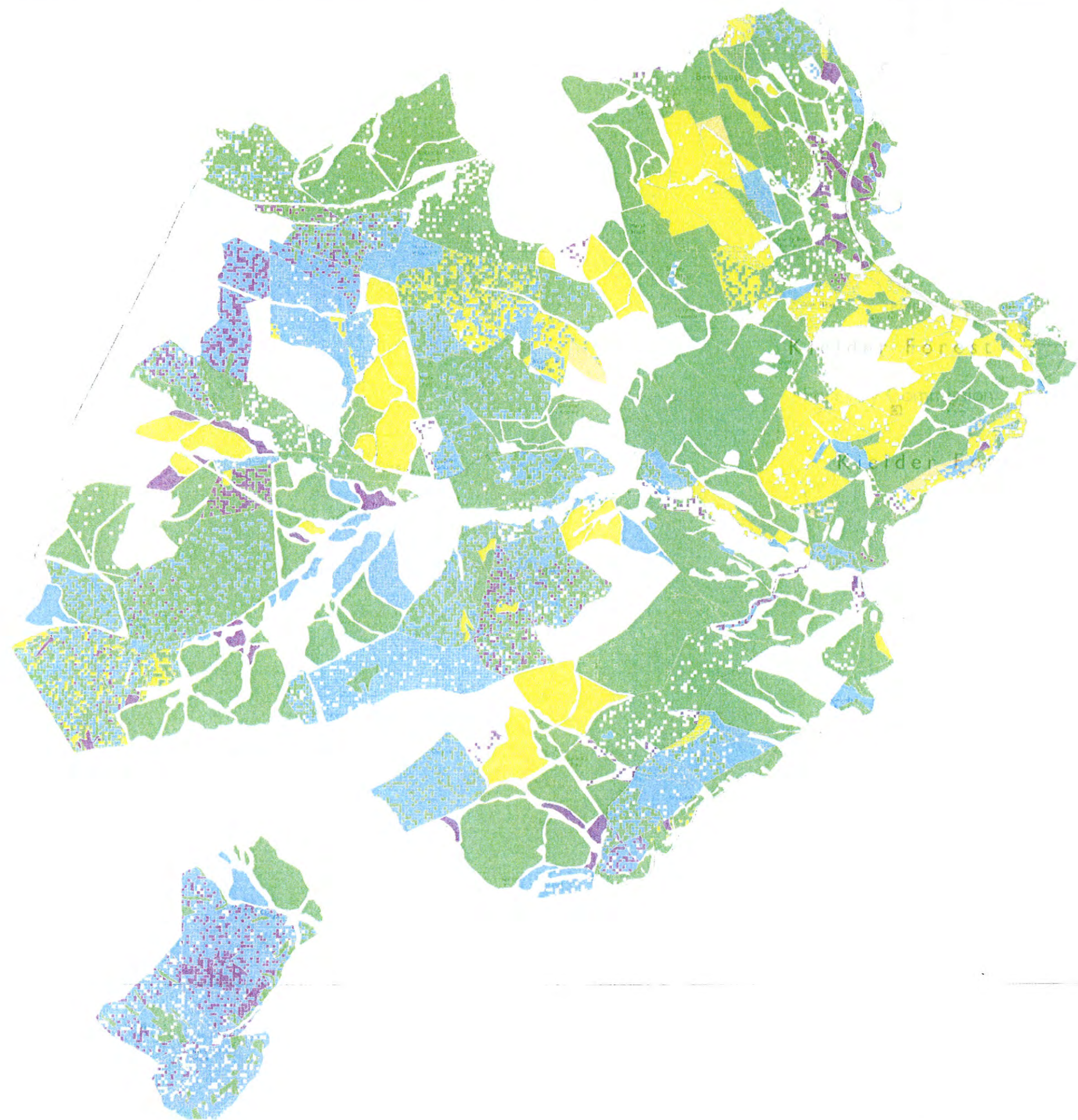
Yield Class

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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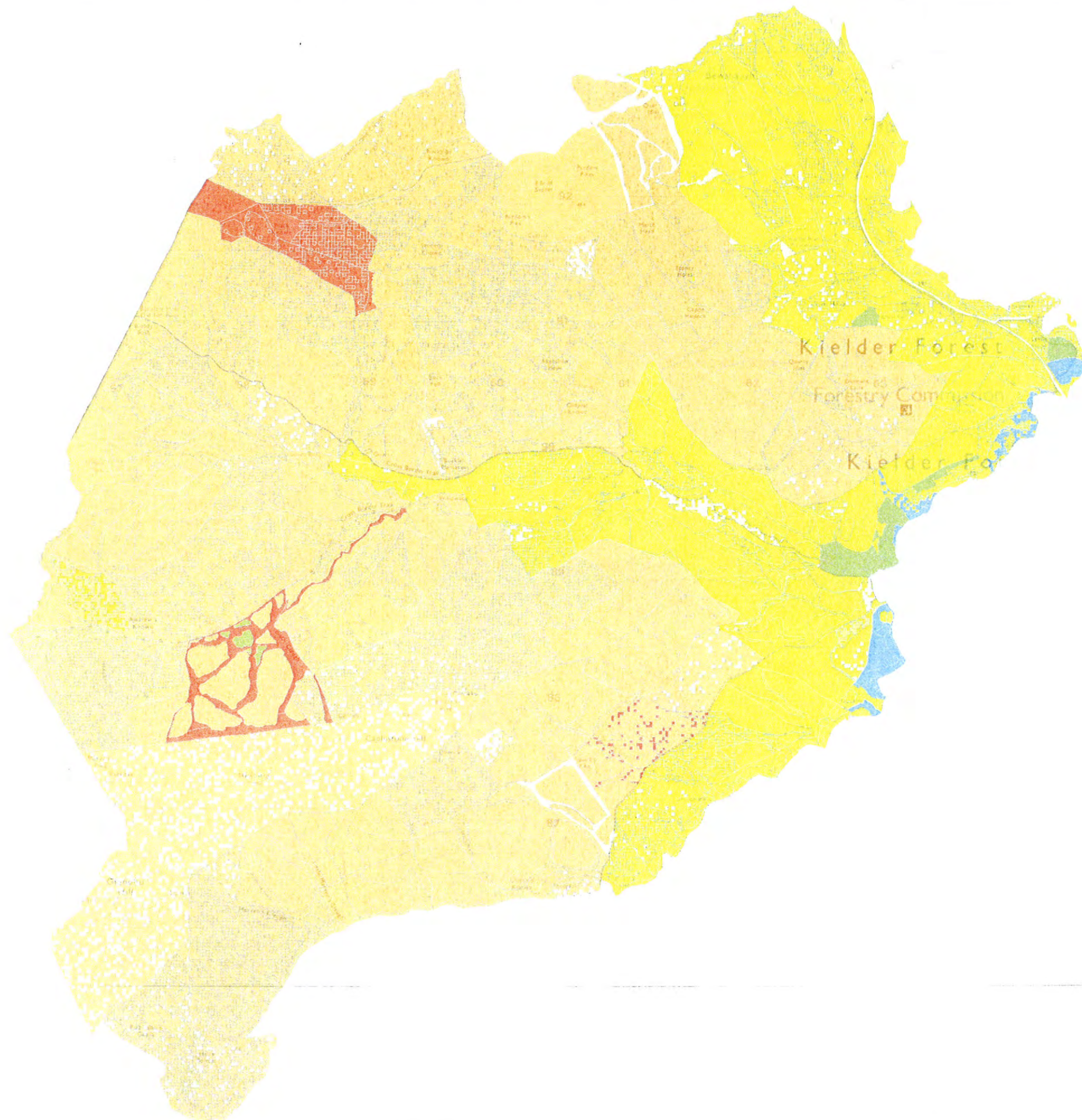
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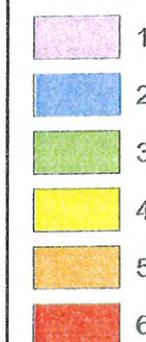
Windhazard Class



Legend

Components

WHCL



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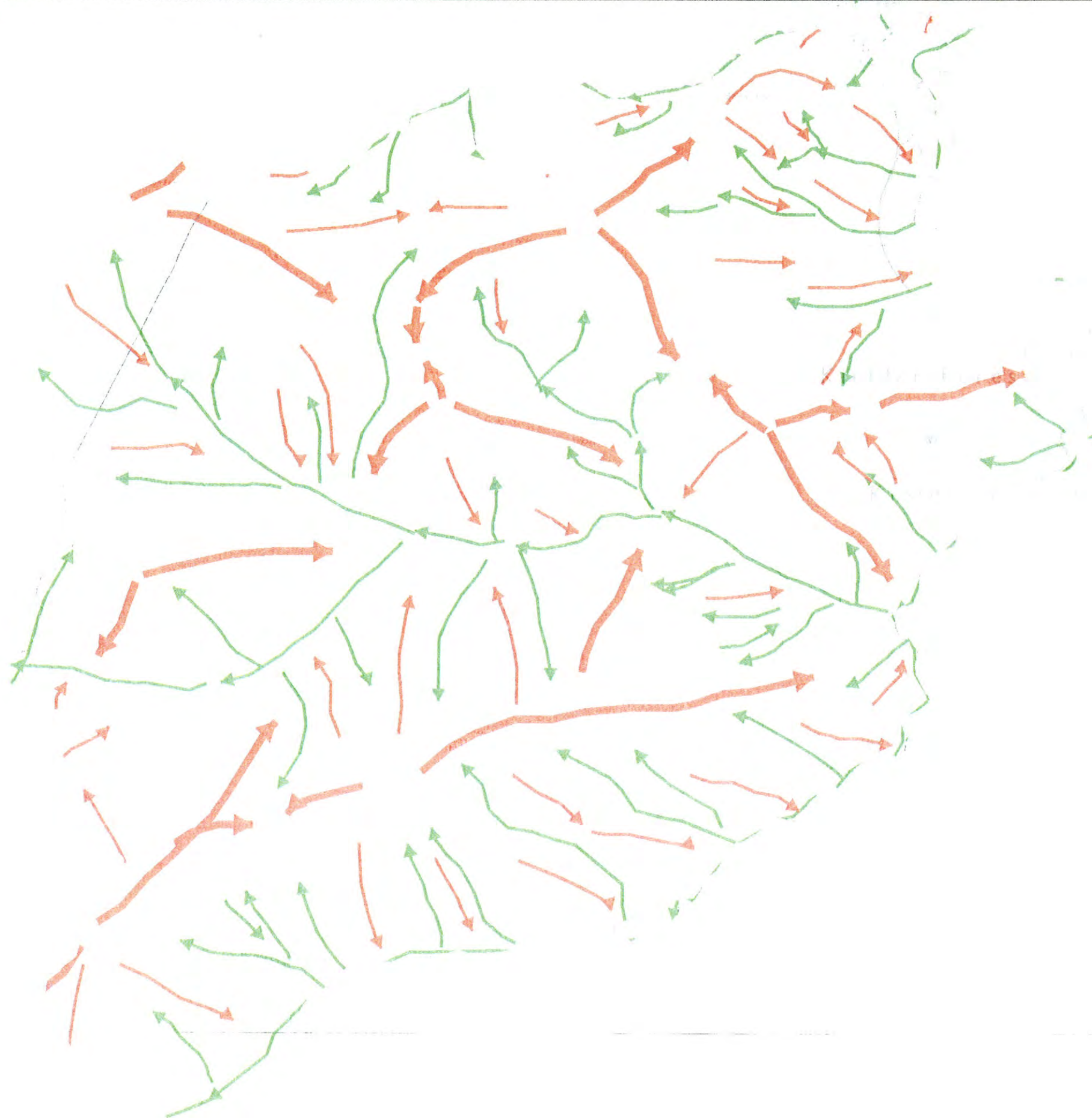
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Landform



Legend

landform

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

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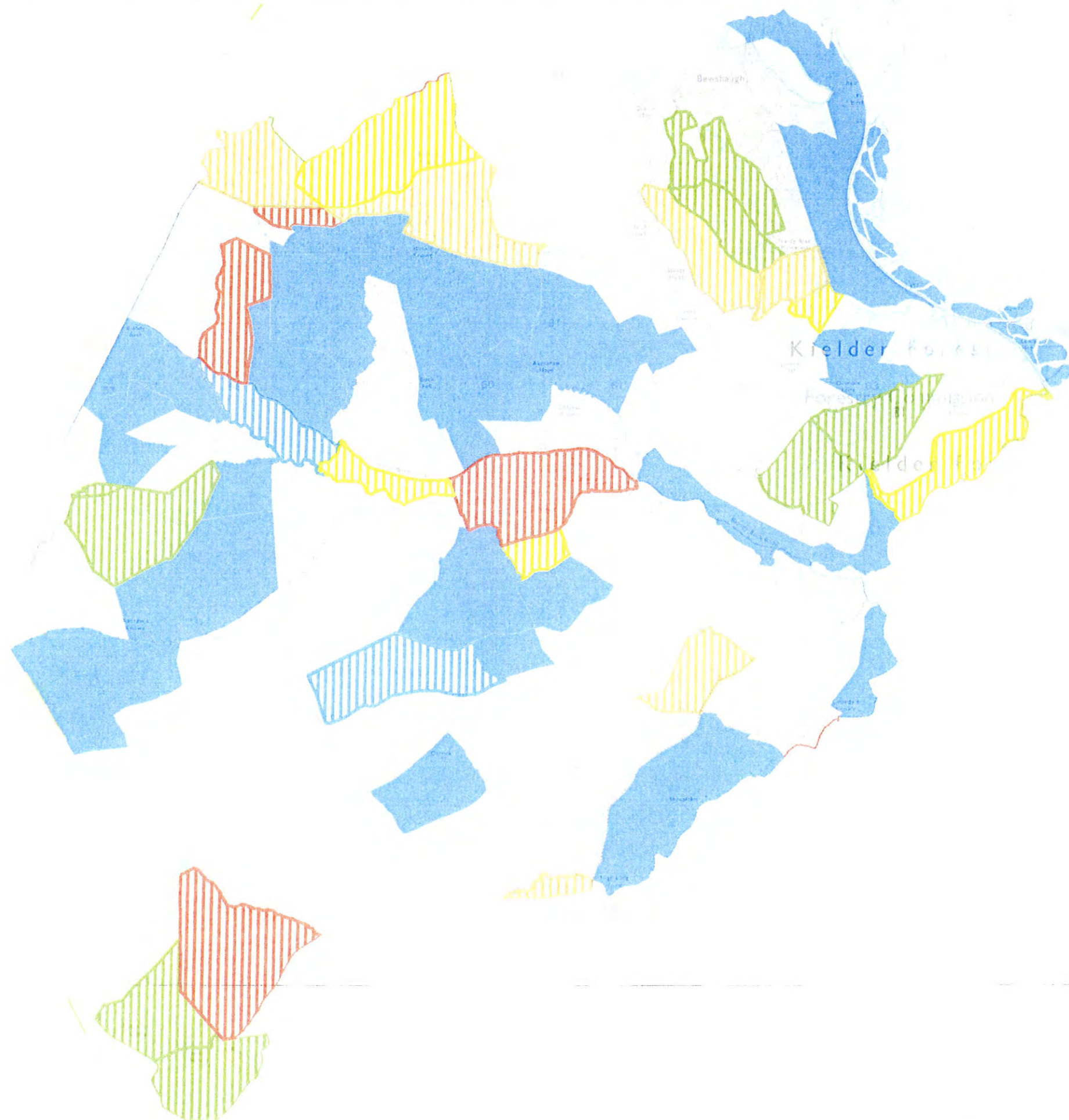
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Economic Felling

Legend

Coupes OPTIMALYR

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



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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

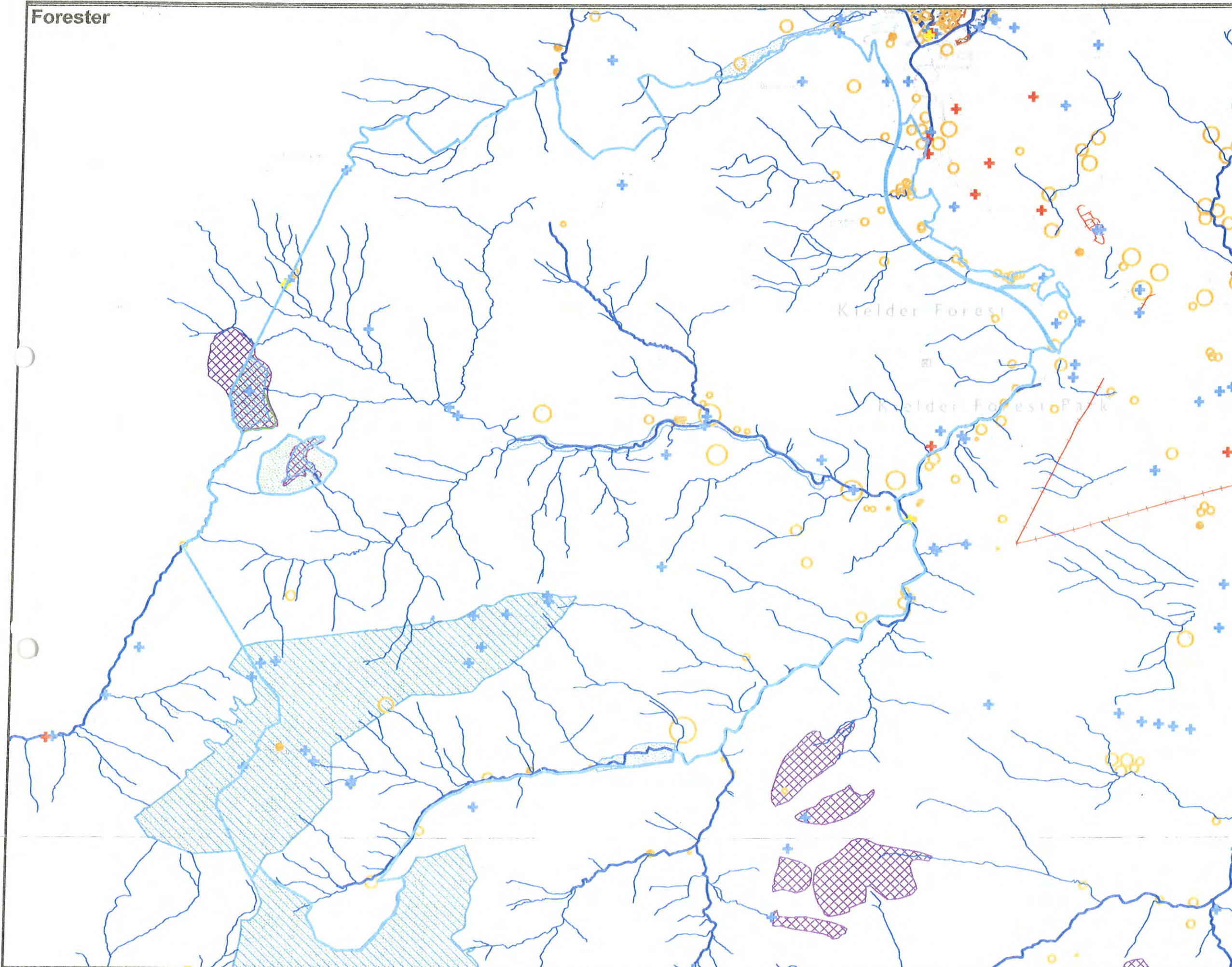
STATUS

- ASNW
- PAWS

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Other Resources

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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Squirrel link

Maintaining the link between Lewisburn and the Scottish forest of Newcastleton, significantly increases the area of contiguous suitable Red squirrel habitat

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

Buckfell plantation

Mixed mature woodland developing through natural succession. Potential area for allocating to minimum intervention.

Continuous cover

The less exposed sites within the plan area provide the potential for continuous cover silviculture to be employed

Moorland edge

Pull the forest off the upper plateau moorland, to increase the connectivity between the moorlands associated with Glendu Hill and Black Hill.

Valley zone









The valleys associated with Lewis Burn forms the most structural landform in the plan area, provides opportunities for both extending constant cover into the forest from the lake shore and adding diversity.

Moorland boundary

Mitigate the transition of open moorland to high forest at restocking, through the introduction of open woodland and open space

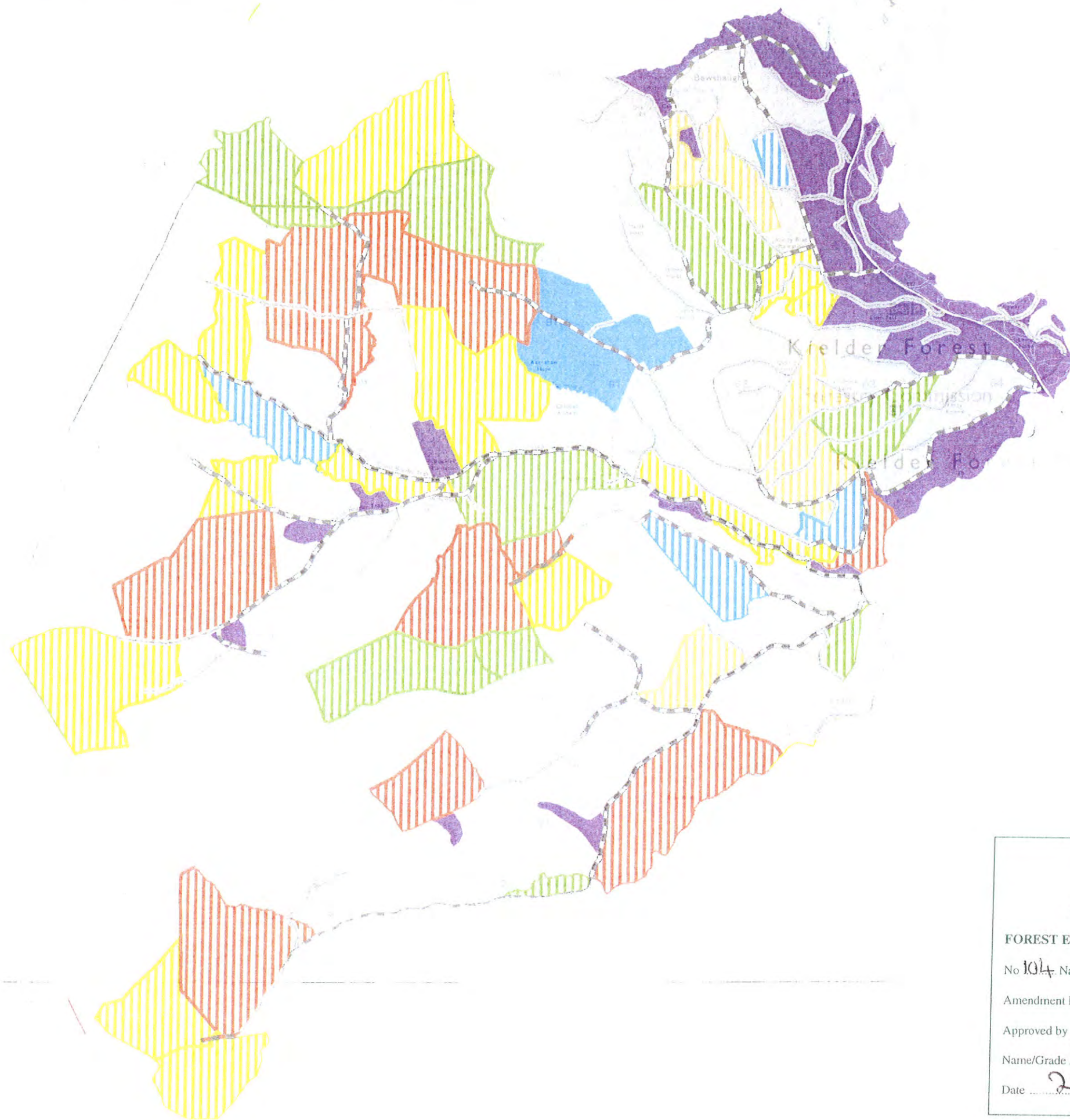
Legend

Category

-  Continuous cover
-  Moorland boundary
-  Moorland edge
-  Remnant plantation
-  Squirrel link
-  Valley
-  Border mires
-  Main watercourse

Scale
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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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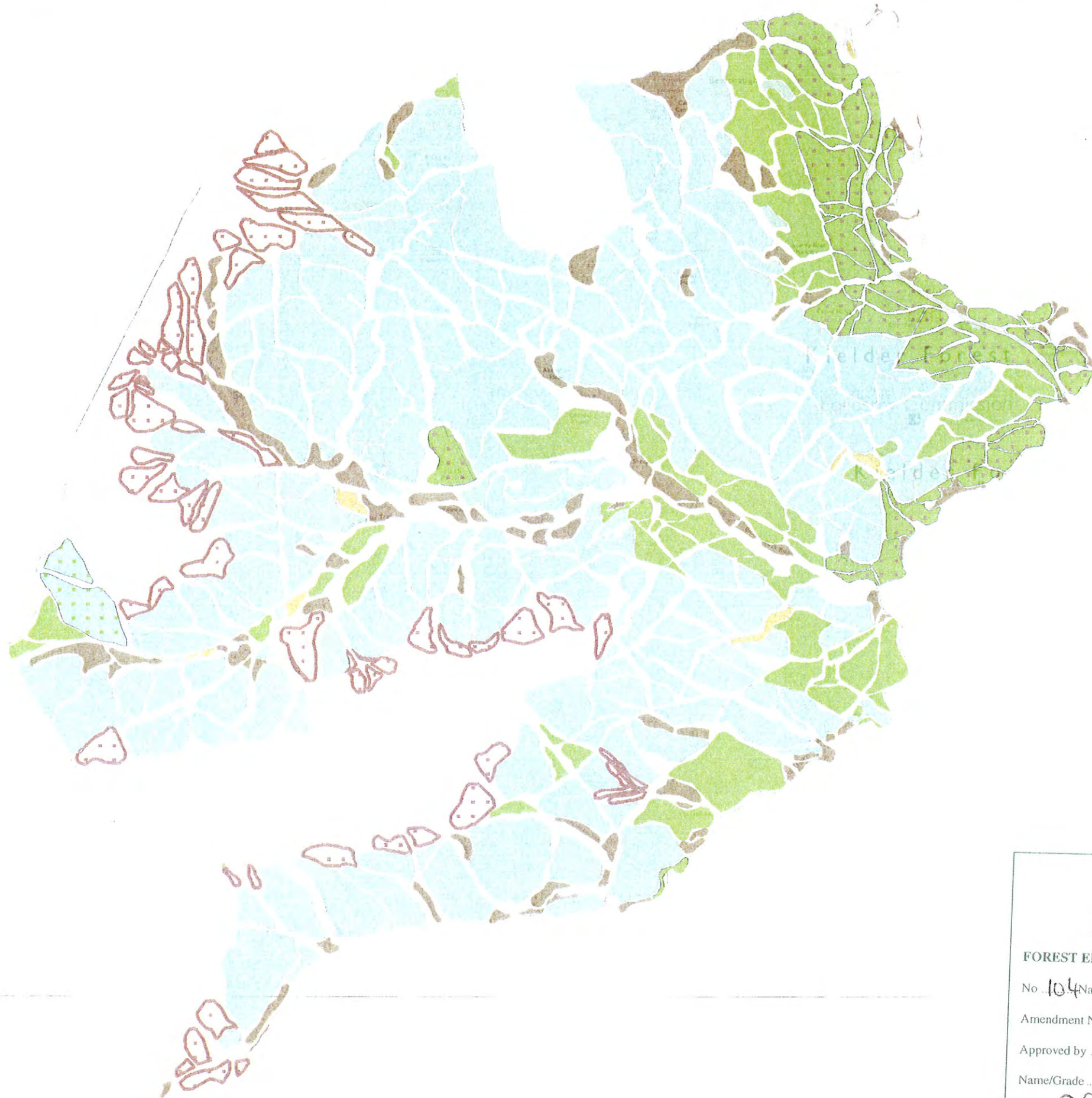
FOREST ENTERPRISE DESIGN PLAN

No 104 Name LewisburnAmendment No 1 Dated 27/7/11Approved by [Signature]Name/Grade R. J. Row RB3Date 27/7/11

Scale
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Kielder Forest

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. 104 Name. Lewisburn.

Amendment No. Dated.

Approved by 

Name/Grade R. S. Law RBS

Date 29/7/11

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