

Deadwater Forest Design Plan

Introduction

The Deadwater forest design plan covers 2045 hectares of the forest to the West of Kielder village. The terrain is mix of the south-facing slope of Deadwater fell north of the Kielder to Newcastleton road and more rolling terrain to the south. 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. 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. Ancient monuments : The scheduled ancient monuments of Bell Hunkin (smr no 251 09, Romano British settlement) and Kershope Castle (sinr 32716 remains of a medieval tower) no works carried out since last review
2. Lower slopes Present more stable site types and therefore greater opportunities for employing continuous cover forestry (CCF), and management through CCF silviculture is now taking place where the site and the crop's status suitable
3. Ancient semi natural (ASNW) and ancient replanted woodland (PAWs) : Areas of ancient semi natural and ancient replanted woodland exists adjacent to Kielder. It is proposed to roll over PAWs sites to native broadleaves slowly through continuous cover forestry. Though only at early stage of conversion process
4. Link to southern Scotland forests: The whole of Kidder forest has long term value for the conservation of red Squirrels however the links between Deadwater and the Scottish forest of Wauchope. Significantly increases the area of contiguous suitable habitat. Connectivity maintained with suitable continuous habitat.
5. Upper restocking boundary Three Pikes (Deadwater) : Adjust the restocking proposals to account for the natural regeneration whilst maintaining a acceptable upper boundary within the wider landscape now implemented
6. Right of way are being left unplanted at restocking, the width of the unplanted land along rights of way will be 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
7. Lower slopes Present more stable site types and therefore greater opportunities for employing continuous cover forestry (CCF), and management through CCF silviculture is now taking place where the site and the crop's status suitable
8. Boundary : an element of open woodland is being established at the forest open moor interface

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



Forestry Commission
England

Kielder Forest

Location map

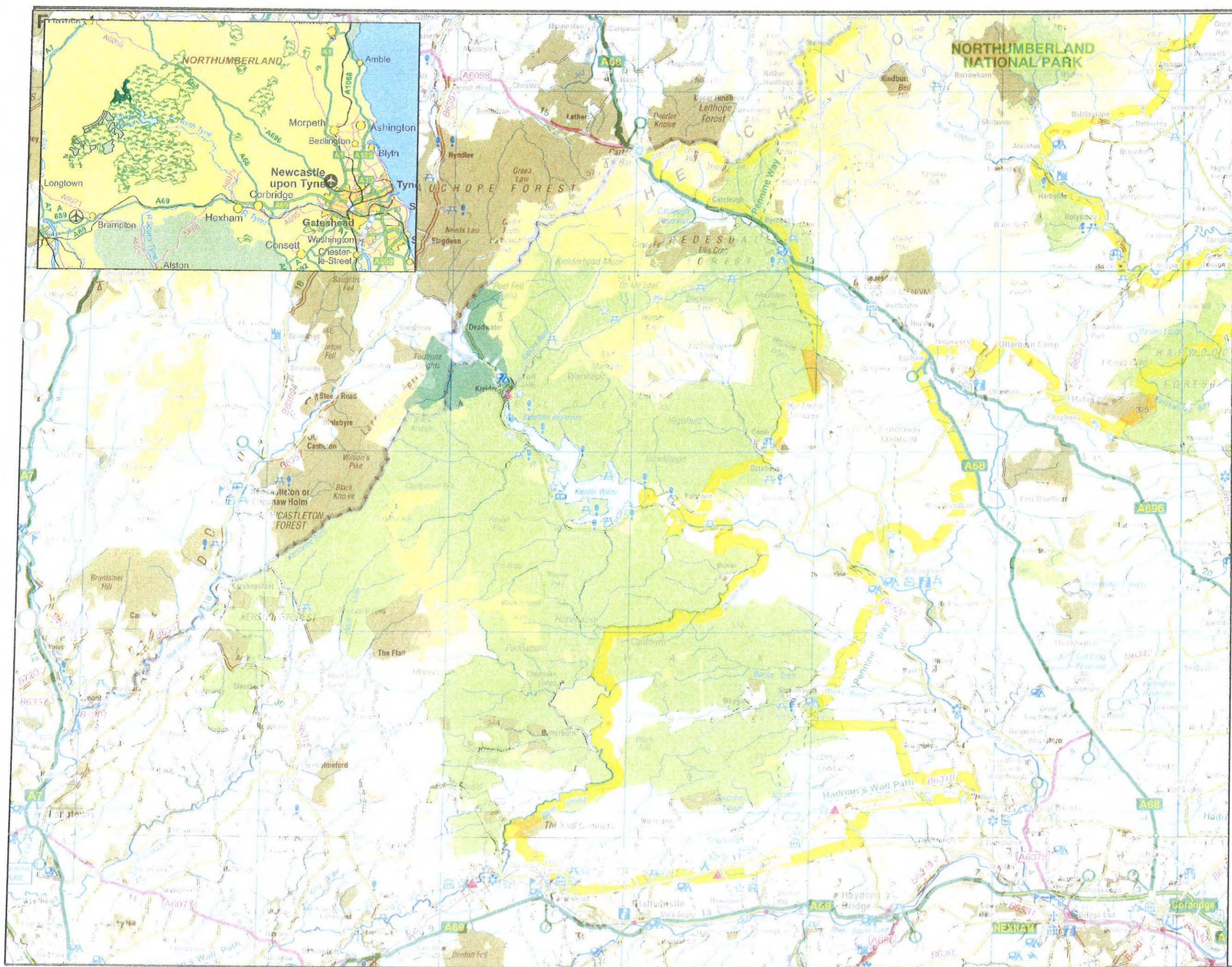
Legend

-  Plan area
-  Other FC land
-  Other woodland

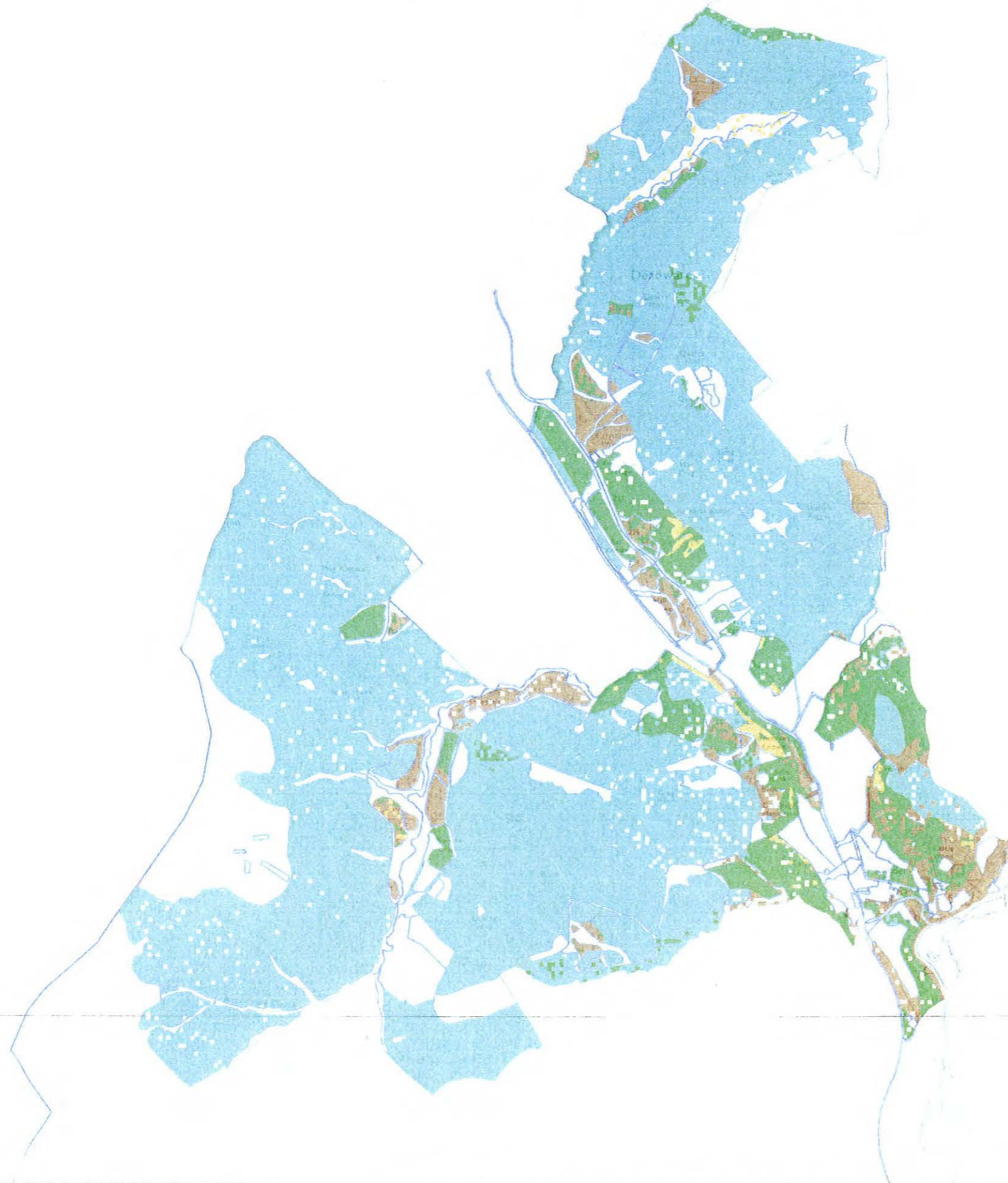
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Forester



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Current Species

Legend

Components

Species

-  Broadleaf
-  Sitka spruce
-  Other evergreen conifer
-  Larch

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Planting Year



Legend

Components

PLYR

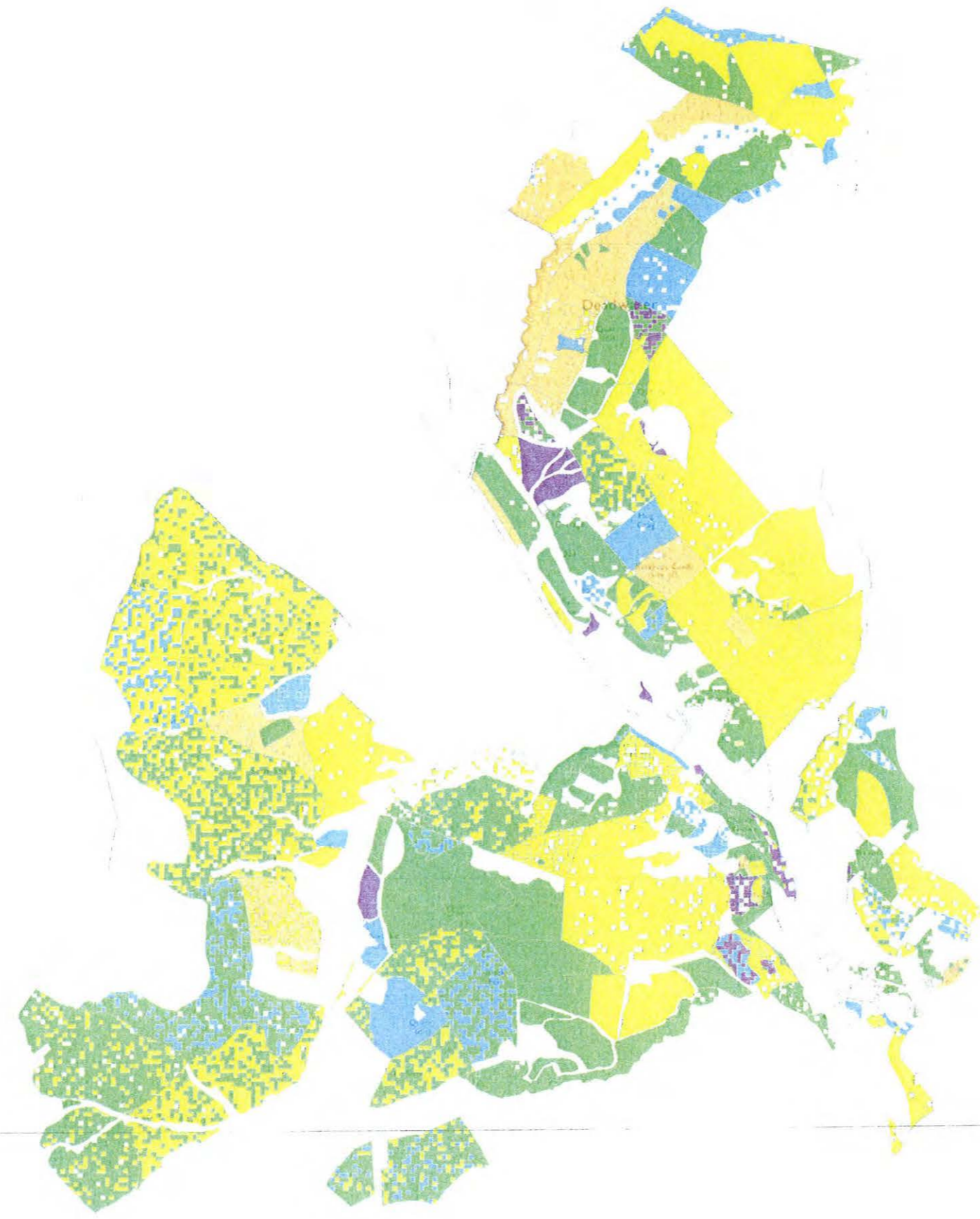
-  Pre1930
-  1930 - 39
-  1940 - 49
-  1950 - 59
-  1960 - 69
-  1970 - 79
-  1980 - 89
-  1990 - 99
-  Post 1999

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Date

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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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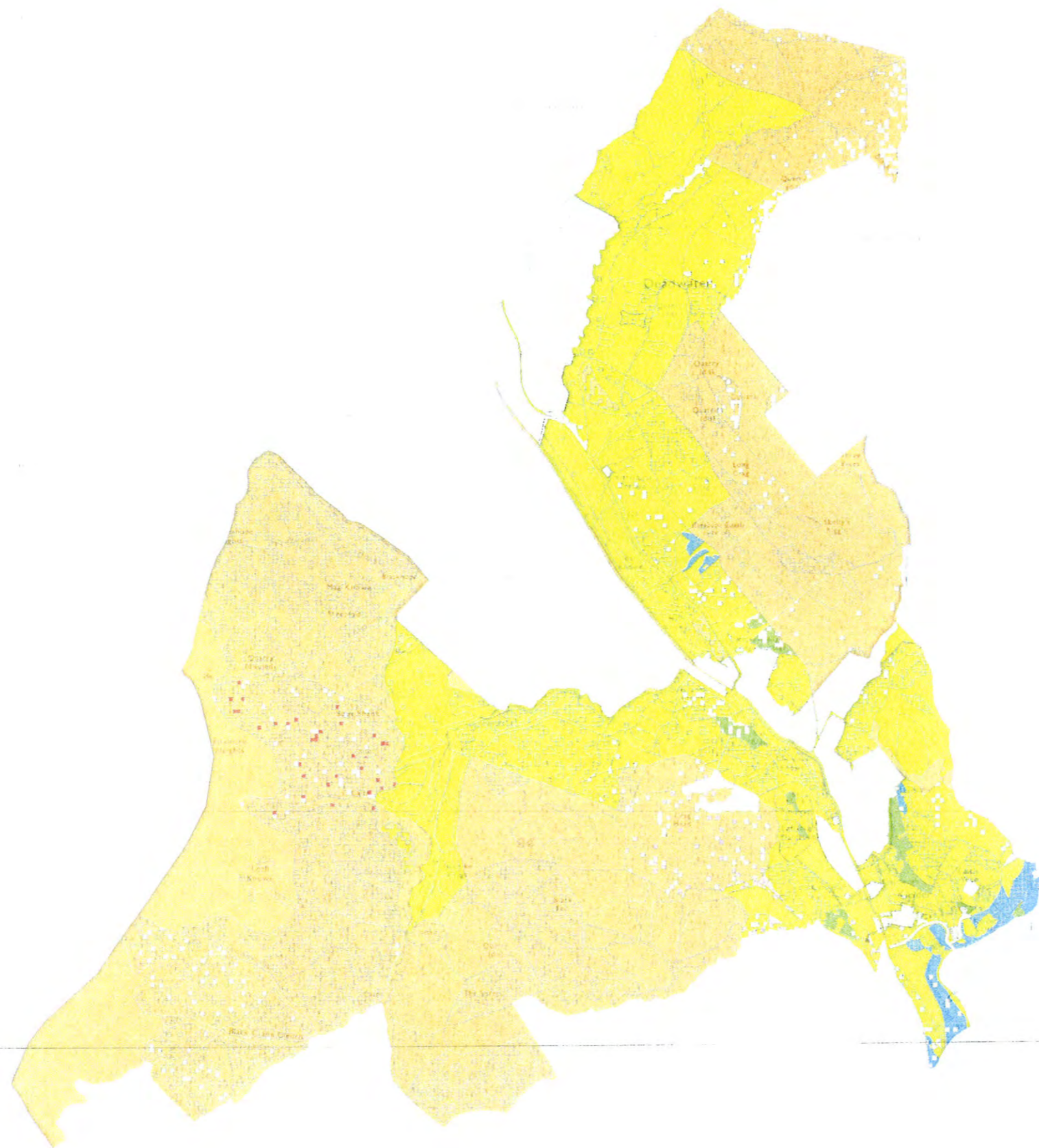
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Windhazard Class



Legend

Components

WHCL

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

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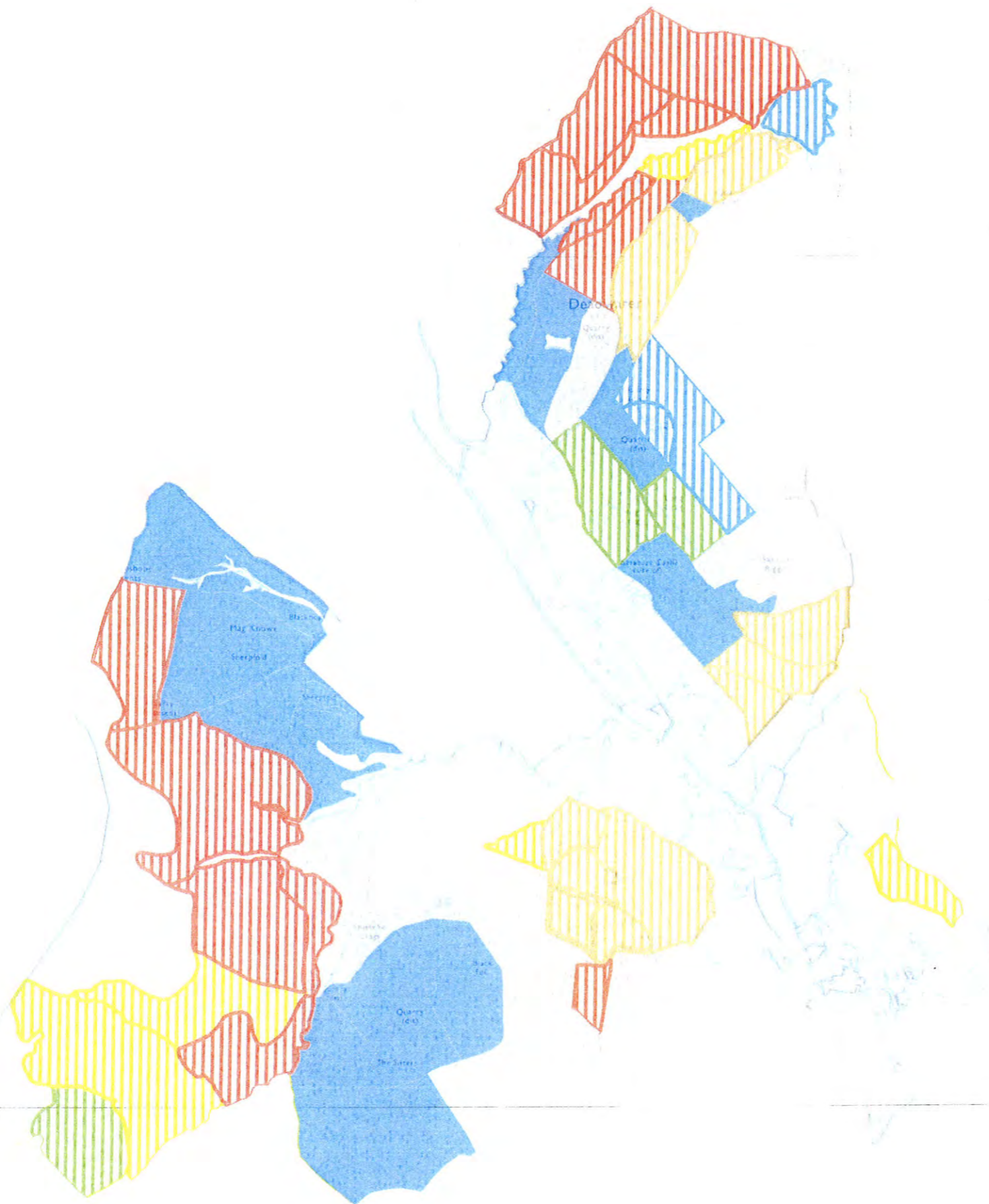
Kielder Forest

Economic Felling

Legend

Coupes
OPTIMALYR

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



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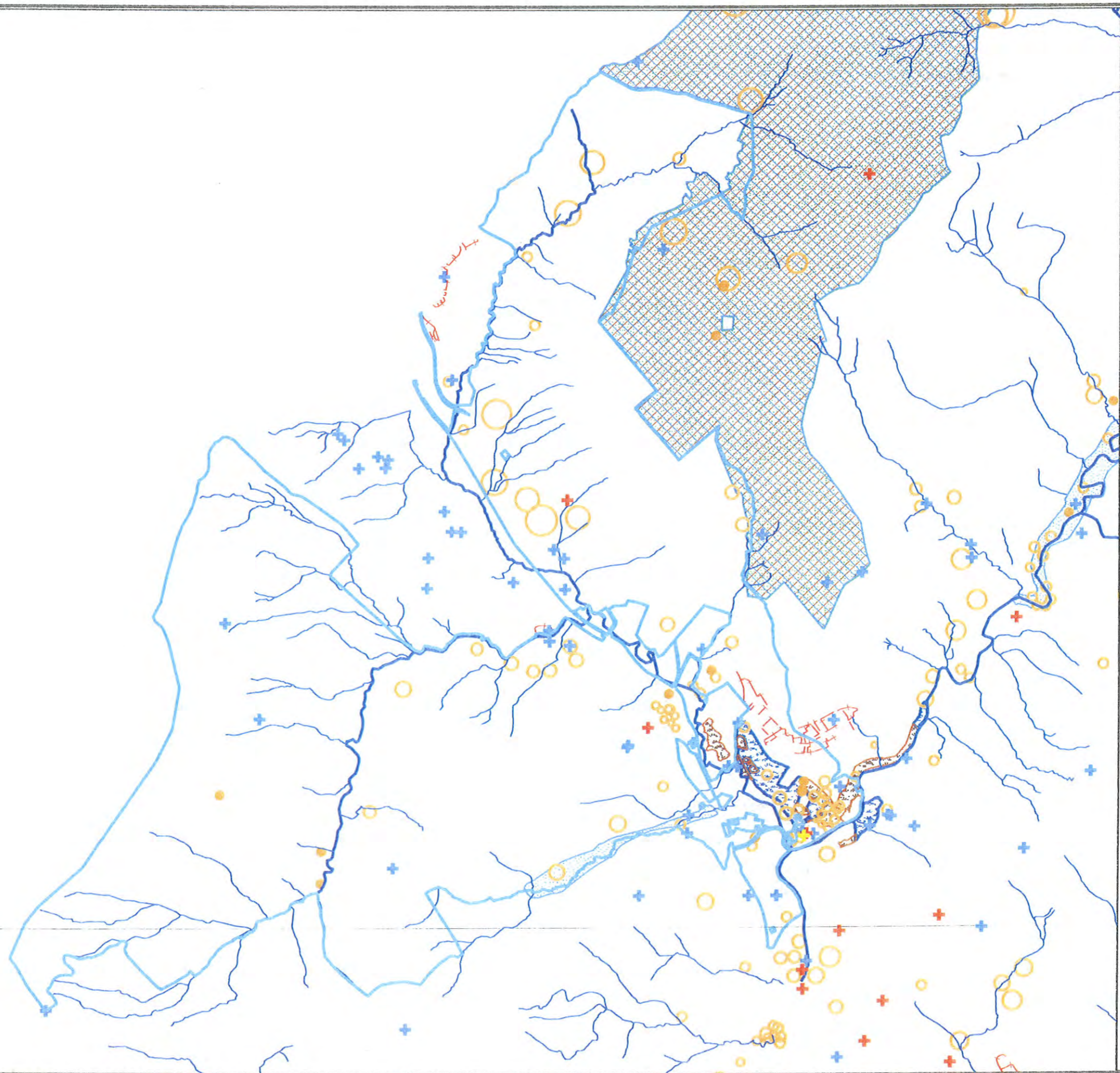
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Conservation

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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Forester







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Landform



Legend

landform

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

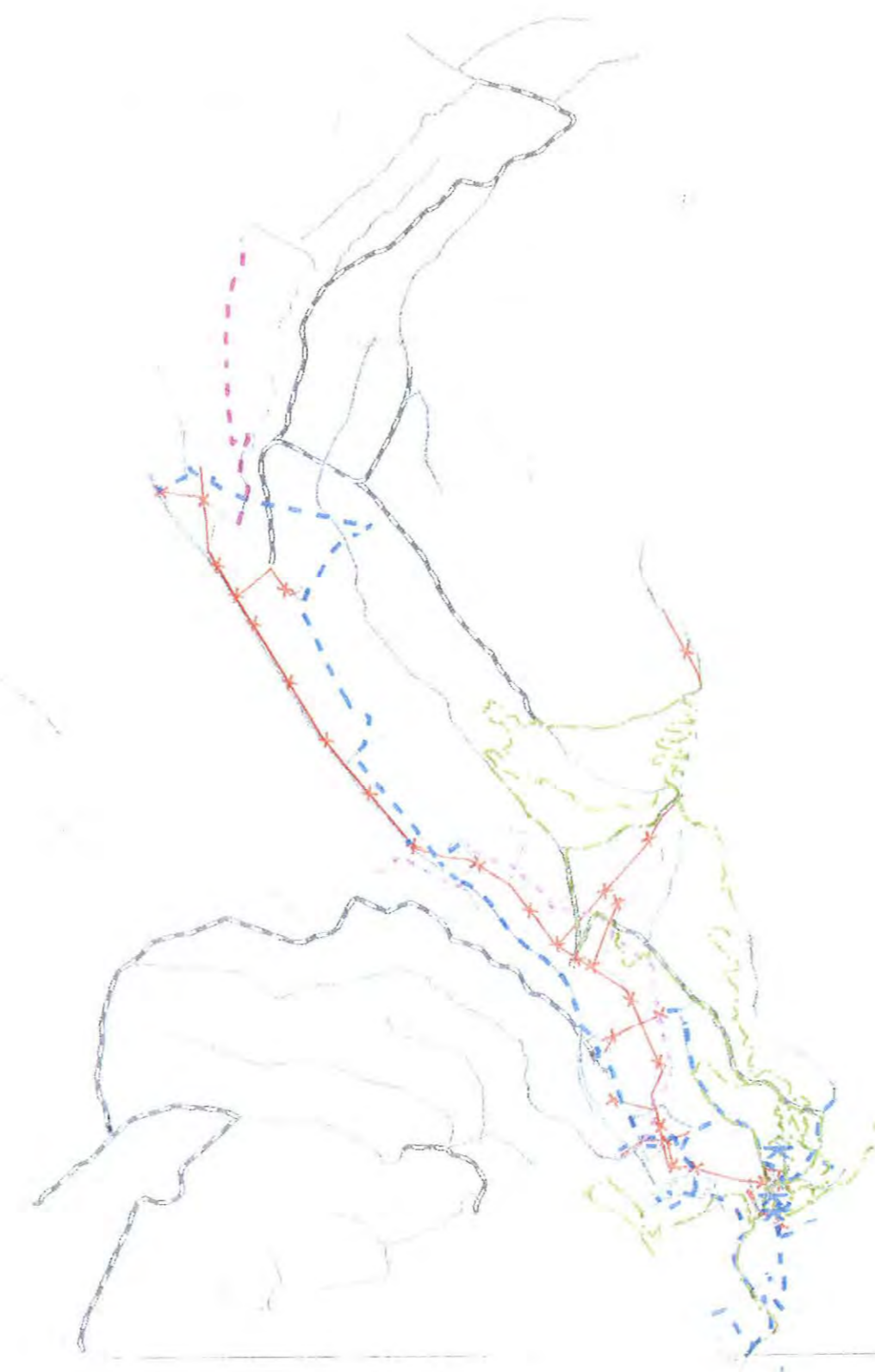
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Other Resources



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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Design Concept

Squirrel link

Maintaining the link between Deadwater and the Scottish forest of Wauchope, significantly increases the area of contiguous habitat suitable for the conservation of Red Squirrels

Continuous cover

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

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

Moorland boundary

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

Kielder recreational zone

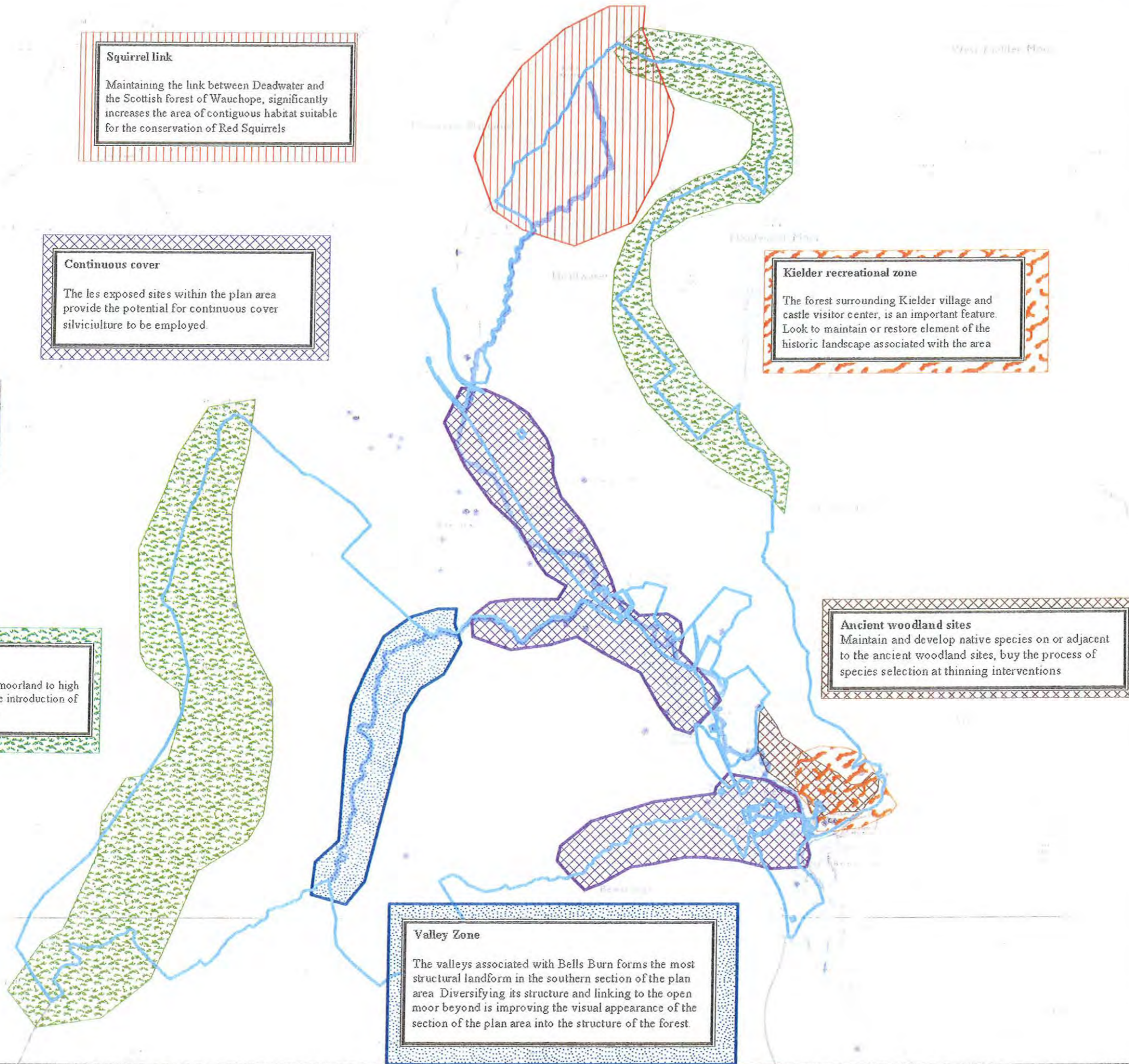
The forest surrounding Kielder village and castle visitor center, is an important feature. Look to maintain or restore element of the historic landscape associated with the area

Ancient woodland sites

Maintain and develop native species on or adjacent to the ancient woodland sites, by the process of species selection at thinning interventions


Valley Zone

The valleys associated with Bells Burn forms the most structural landform in the southern section of the plan area. Diversifying its structure and linking to the open moor beyond is improving the visual appearance of the section of the plan area into the structure of the forest.



Legend

Category

-  Ancient woodland site
-  Bells burn valley
-  Continuous cover
-  Moorland boundary
-  Squirrel link
-  Village recreation zone
-  archaeology
-  Main watercourse

Scale
Date

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Forestry Commission

FOREST ENTERPRISE DESIGN PLAN

No 103 Name *DEARWATER*

Amendment No *1* Dated *29/7/11*

Approved by *[Signature]*

Name/Grade *R.S. Paul PBS*

Date *29/7/11*



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Kielder Forest

Felling Proposals

Legend

Coupes

FELLING_YEAR

2007 - 2011

2012 - 2016

2017 - 2021

2022 - 2026

2027 - 2031

2032 - 2036

>2036

CCF/Min Intervention

Forest roads

Other FC Roads

Class A

Proposed roads

Scale
Date

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Forester



Forestry Commission

FOREST ENTERPRISE DESIGN PLAN

No. 103 Name Deans Water

Amendment No. _____ Date _____

Approved by [Signature]

Name/Grade D. S. Paul RB3

Date 29/7/11



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England

Kielder Forest











Restocking Proposals



Legend

Revised restocking

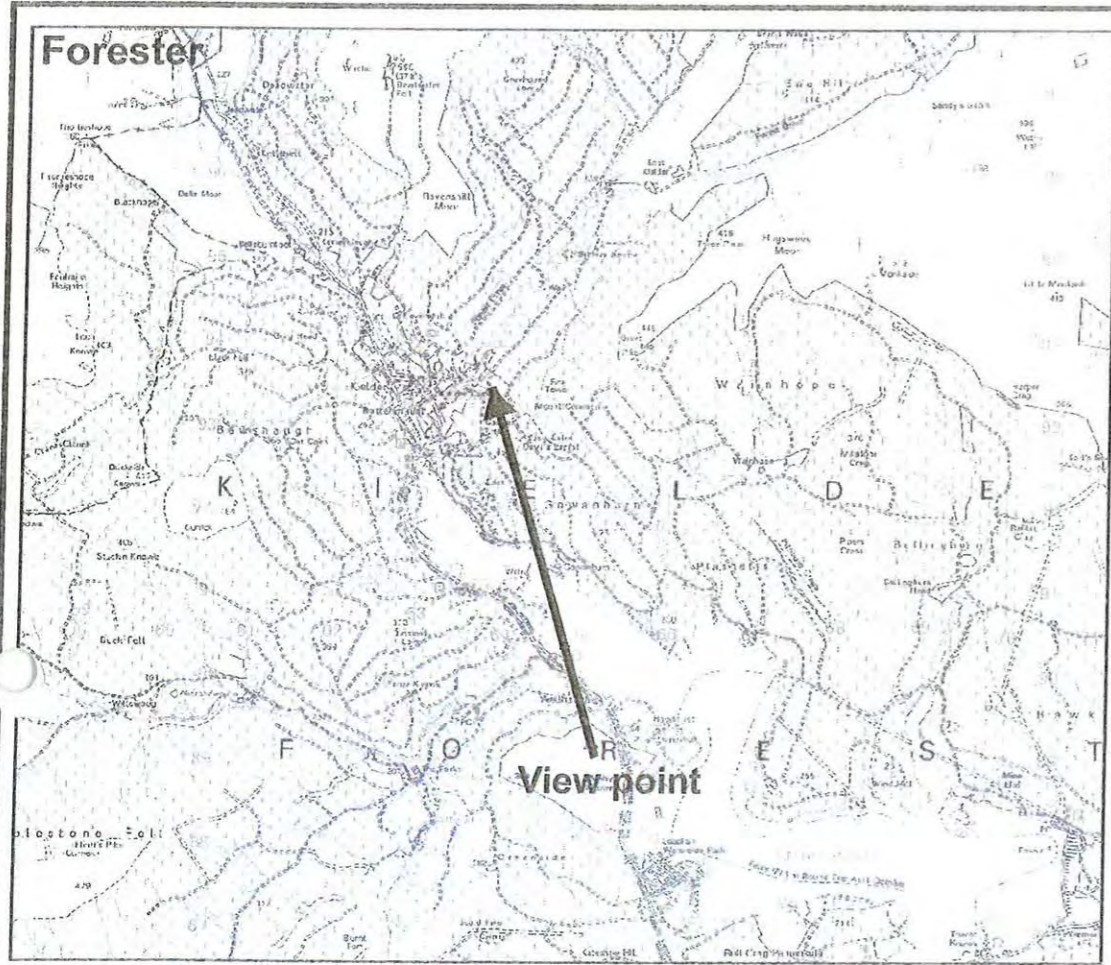
Species

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

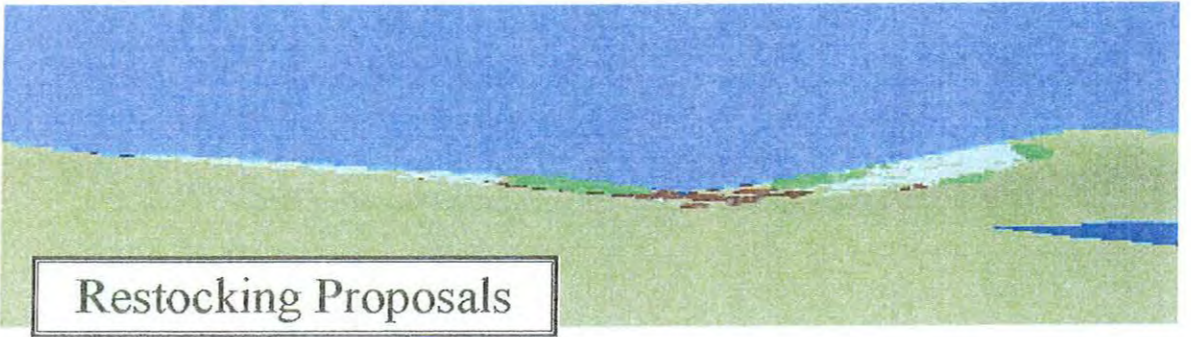
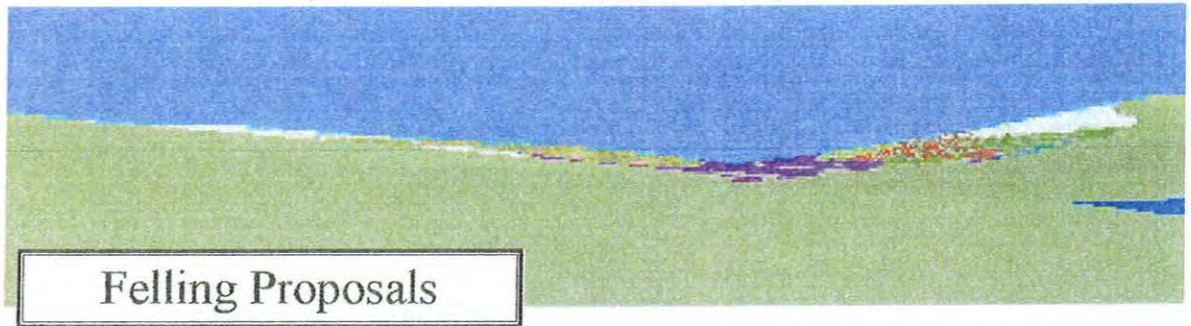
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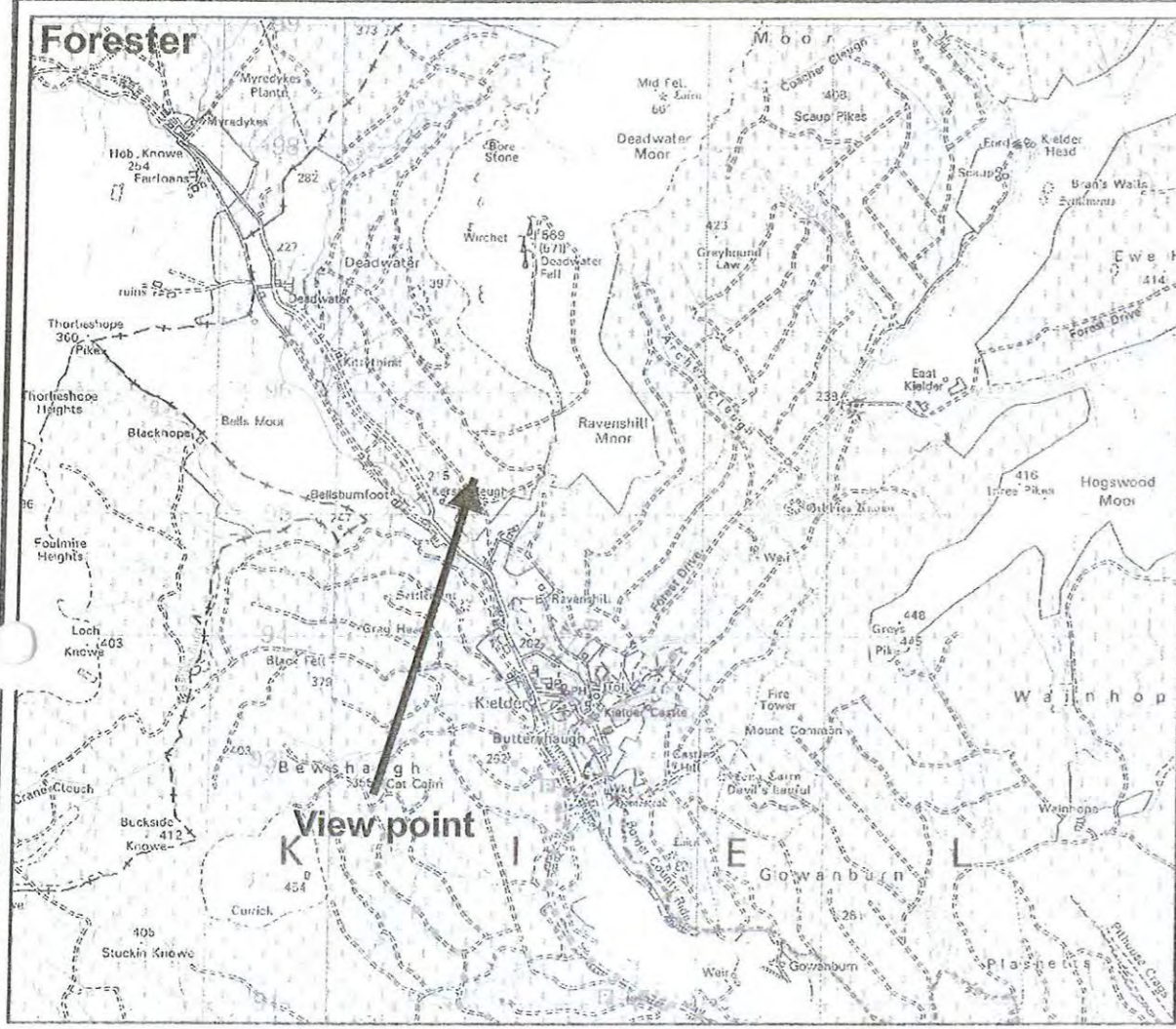


View From C200 at Mounces

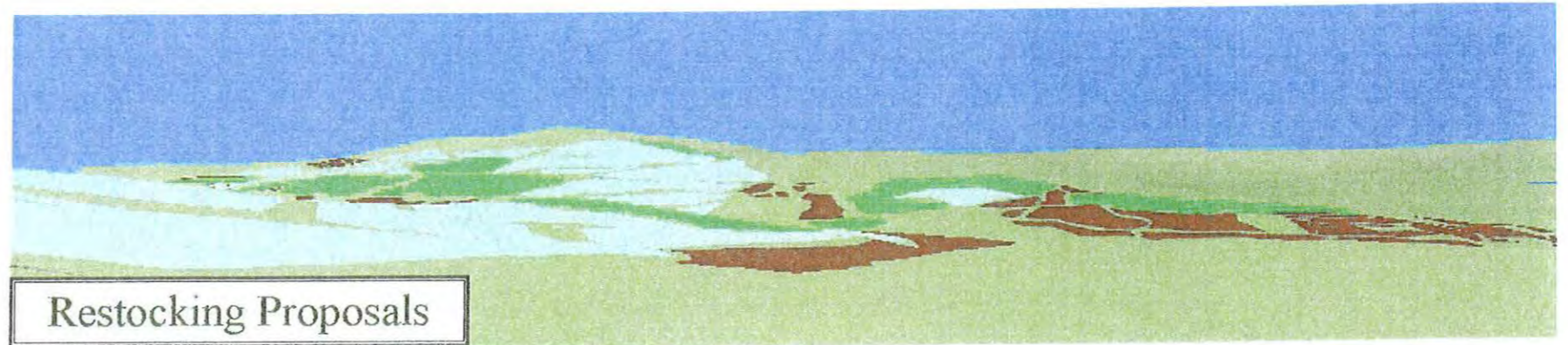
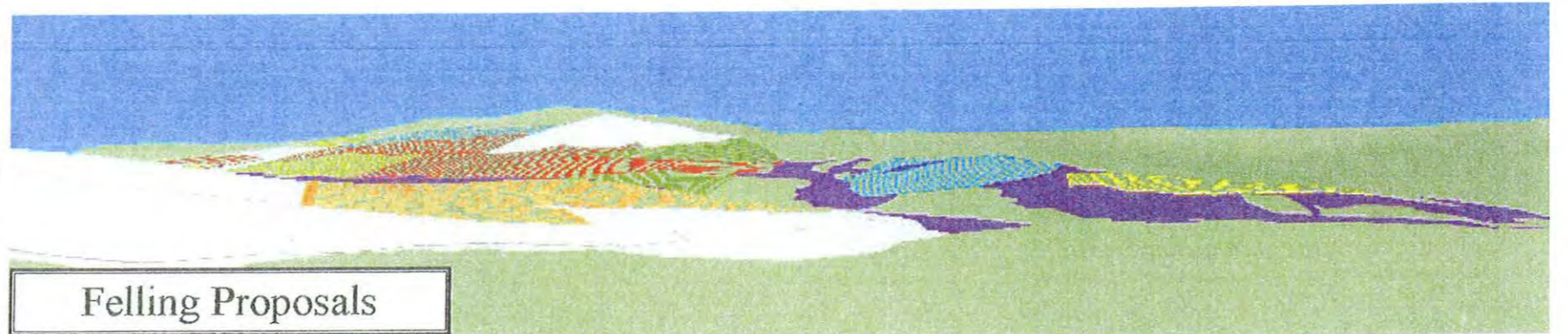


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View From Skyspace



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