

**Forest Design Plan**

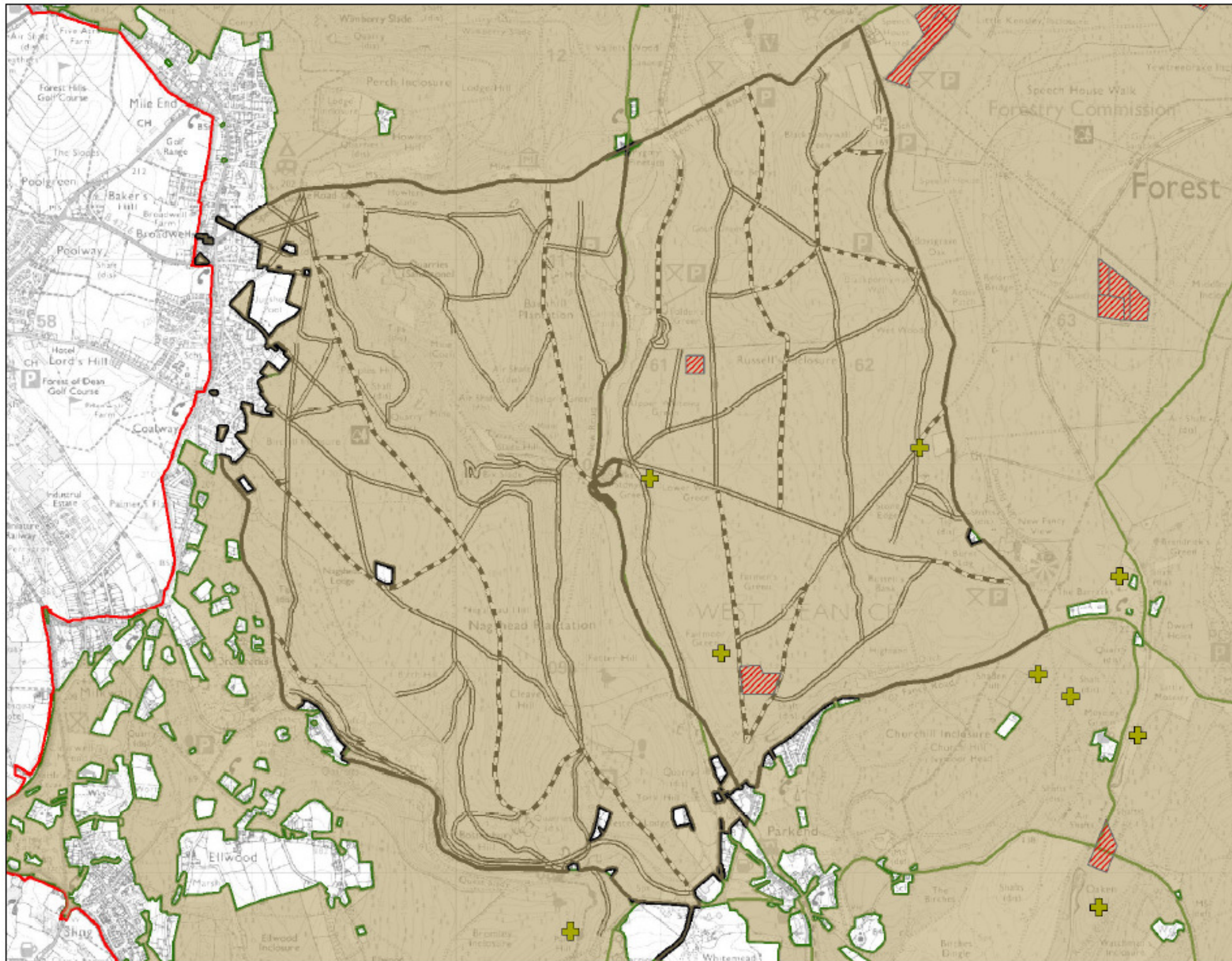
**NAGSHEAD  
AND  
RUSSELLS  
INCLOSURE**

**2013 - 2023**

**Other Constraints**

**Legend**

-  Management Area
-  Nagshead\_FDP\_boundary
-  Statutory Forest of Dean
-  Freehold Tenure
-  Research Sites
-  Stock pens
-  Forest Ride
-  Forest Road



**Scale 1:20,000**



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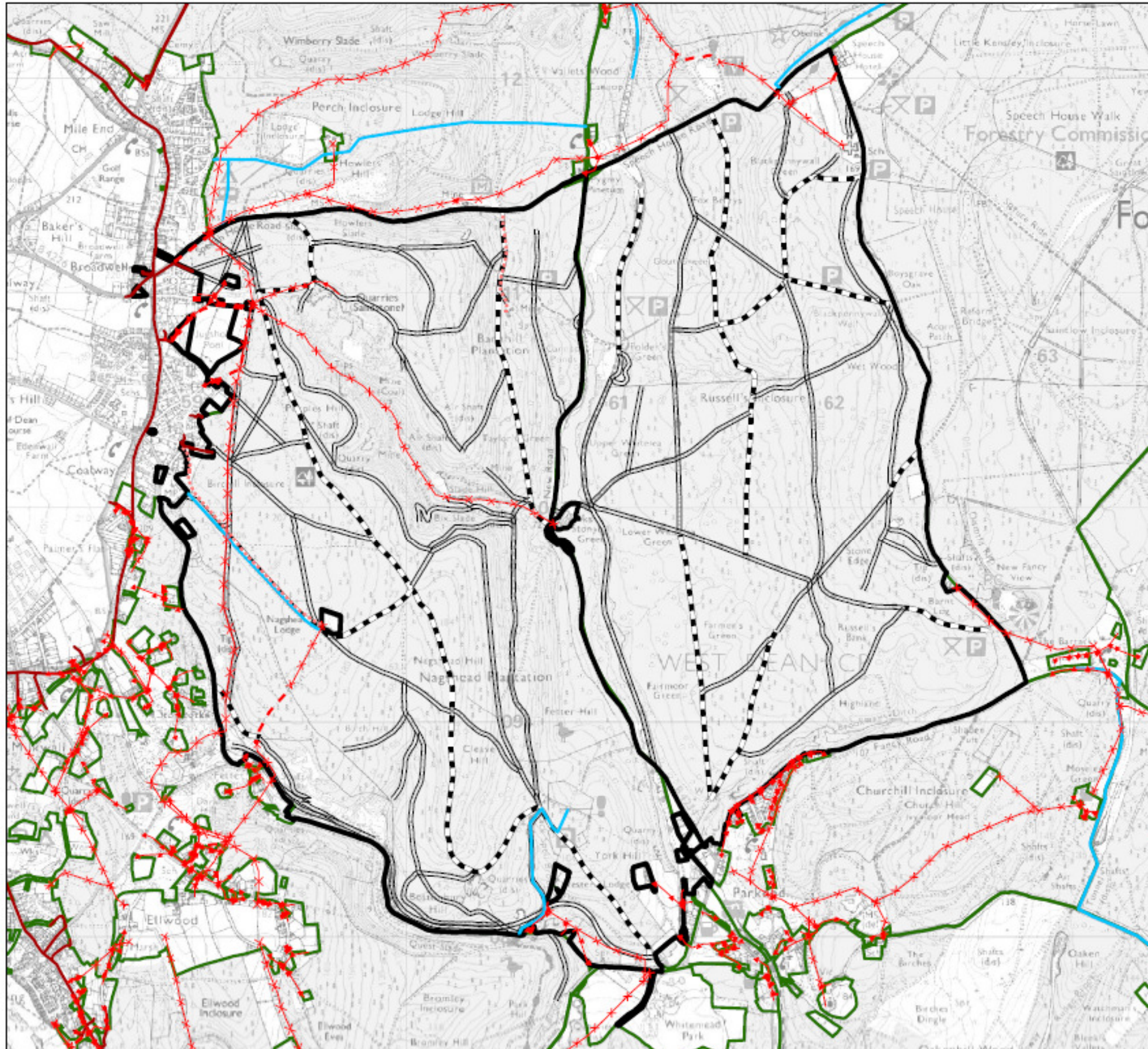
West England Forest District

Forest Design Plan














**NAGSHEAD  
AND  
RUSSELLS  
INCLOSURE**

**2013 - 2023**

**Utilities**



**Legend**

-  Management Area
-  Nagshead\_FDP\_boundary
-  Unknown
-  Low voltage
-  11Kv
-  33kV
-  132kV
-  Powerline Underground
-  Telephone Line Underground
-  Gas Pipeline
-  water\_pipeline
-  Forest Ride
-  Forest Road

Scale 1:20,000



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woodlands have  
been certified in  
accordance with the  
rules of the Forest  
Stewardship Council.





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Forest Design Plan







NAGSHEAD  
AND  
RUSSELLS  
INCLOSURE

2013 - 2023

Mines & Quarries



Legend

-  Management Area
-  Nagshead\_FDP\_boundary
-  Quarry
-  Coal Authority recorded mine entrances 2011
-  Shallow coal working areas
-  Probable shallow coal working areas

Scale 1:20,000





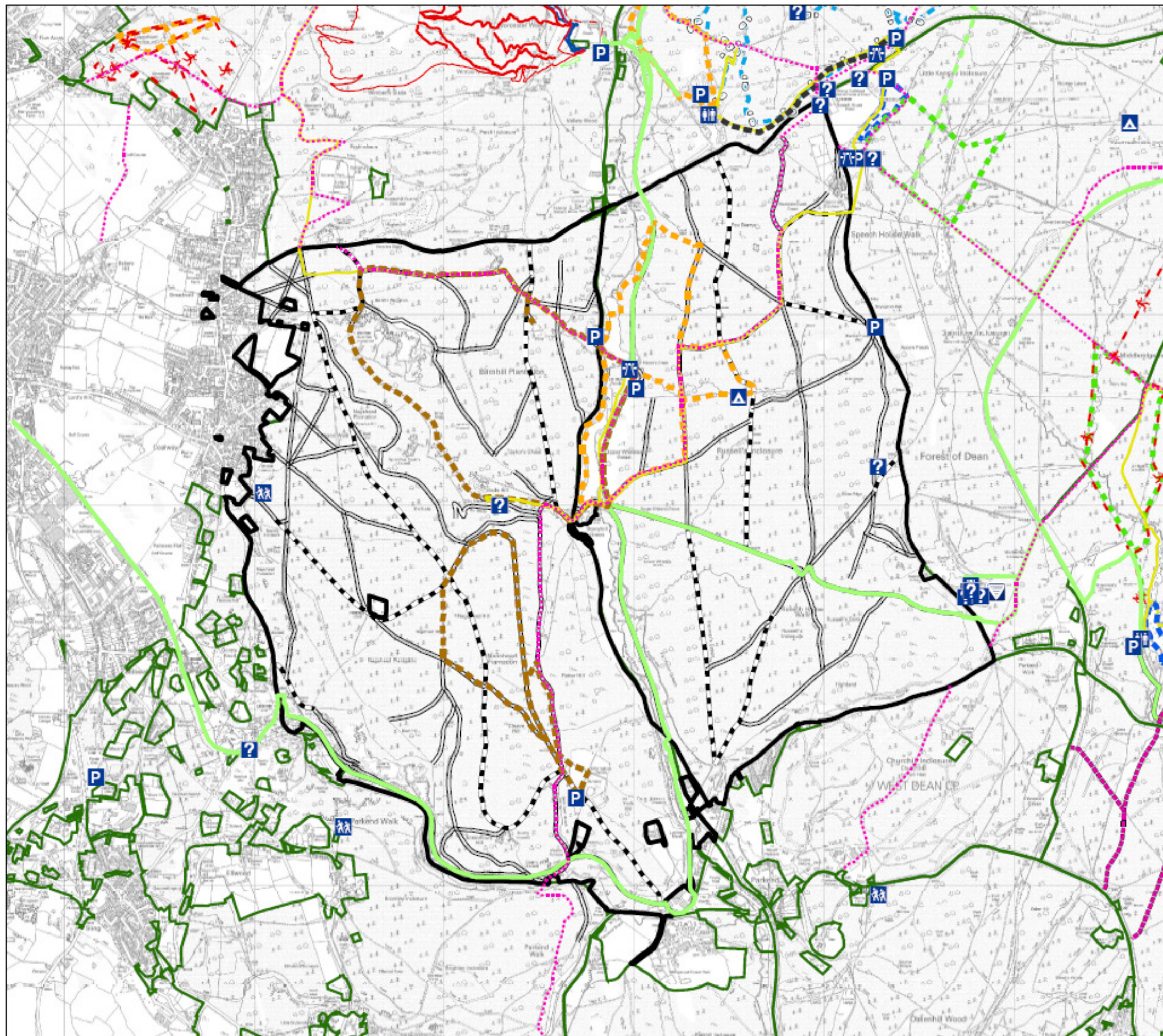
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**Forest Design Plan**  
**NAGSHEAD AND**  
**RUSSELLS INCLOSURE**  
**2013 - 2023**  
**Public Access**

### Legend

- Public footpath
- Bridleway
- Family cycle track
- FC Waymarked trails
- Non FC trail
- Permissive path
- Camp Site
- Car Park
- Cultural Site
- Picnic Site
- Picnic Site WC
- View Point
- Educational facility
- Forest Ride
- Forest Road
- Nagshead\_FDP\_boundary



Scale 1:20,000



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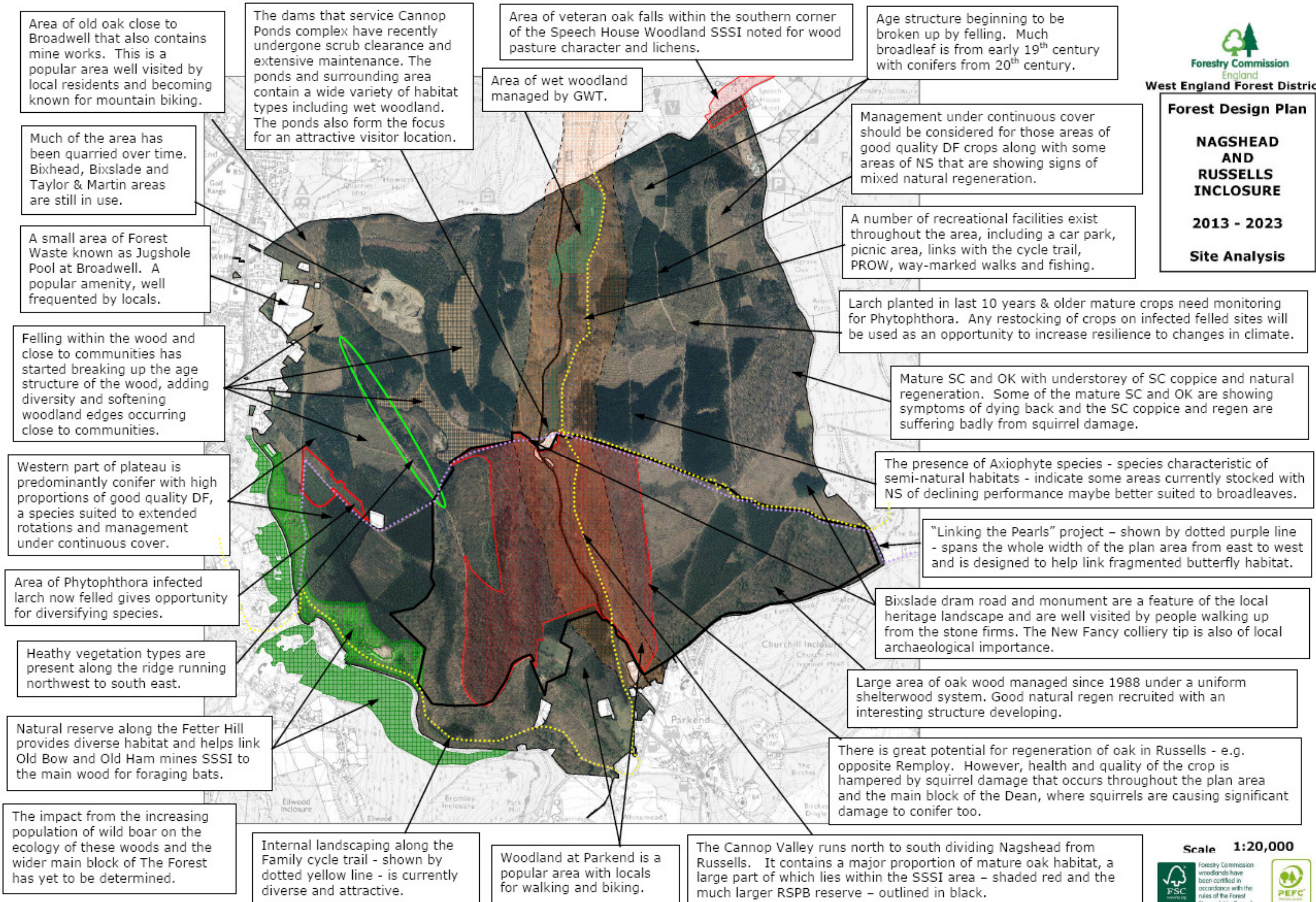


**Forest Design Plan**

**NAGSHEAD  
AND  
RUSSELLS  
INCLOSURE**

**2013 - 2023**

**Site Analysis**



Scale 1:20,000

**Forest Design Plan**

**NAGSHEAD  
AND  
RUSSELLS  
INCLOSURE**

**2013 - 2023**

**Design Concept**

Some areas of conifer have a partial understory of broadleaf and are also showing signs of broadleaf regeneration, with ground vegetation present that supports the regeneration of such sites back to broadleaf. This will be achieved initially through thinning and if required under-planting or group planting. Retain Scattering of mature SP to add diversity.

Restoration of PAWS woodland along the Cannop Valley and tributaries, with opportunities increased through thinning.

Retain SP at entrance opposite Beechenhurst. An Attractive feature at a critical place along the roadside and will provide a focus for many years.

Speech House Oaks SSSI is managed under a separate management plan as an area of veteran trees and wood pasture known for its assemblage of lichen.

Revisit the stocking levels of broadleaf restock areas close to communities to ensure full stocking is achieved. Use of tree shelters maybe an option here.

Restock coupes along this ridge will aim to create a mosaic of organically shaped planting intimately linked with areas of open space where heathland vegetation is prevalent.

Retain DF in areas showing good signs of regeneration and assess crop structure in stands showing signs of advanced regeneration to determine whether further thinning intervention is required.

Restructuring for Nagshead was initiated in the previous Forest Plan by clear-felling. Restructuring and regeneration of the plateau will continue predominantly through thinning. This will help give diversity in terms of structure, age and species.

Ground vegetation is very indicative of native woodland but with no parent trees to regenerate the area, will be felled restocked with broadleaves.

Maintain ribbons of old oak that generally follow subtle gullies coming off Cannop Valley. With restocking and regeneration aiming to keep broadleaf in the valley bottoms and conifer on the higher ground.

Retain Scattering of mature DF, SP, RC following final removal of overstorey to promote structural diversity conservation value and visual appeal.

Large area of broadleaf woodland associated with the Cannop Valley. Some areas show signs of advanced regeneration of oak. Continue assessing crops and continue thinning to promote regeneration when required. Within the SSSI this would predominantly be oak.

Maintain the area to the north of the Fetter Hill as a Natural Reserve area (minimum intervention), helping to sustain links with Old Ham and Old Bow Mines to the southwest. - Subject to issues of public safety.

An area of diverse woodland with intimately mixed age classes that will be monitored to assess stand structure before programming further interventions in consultation

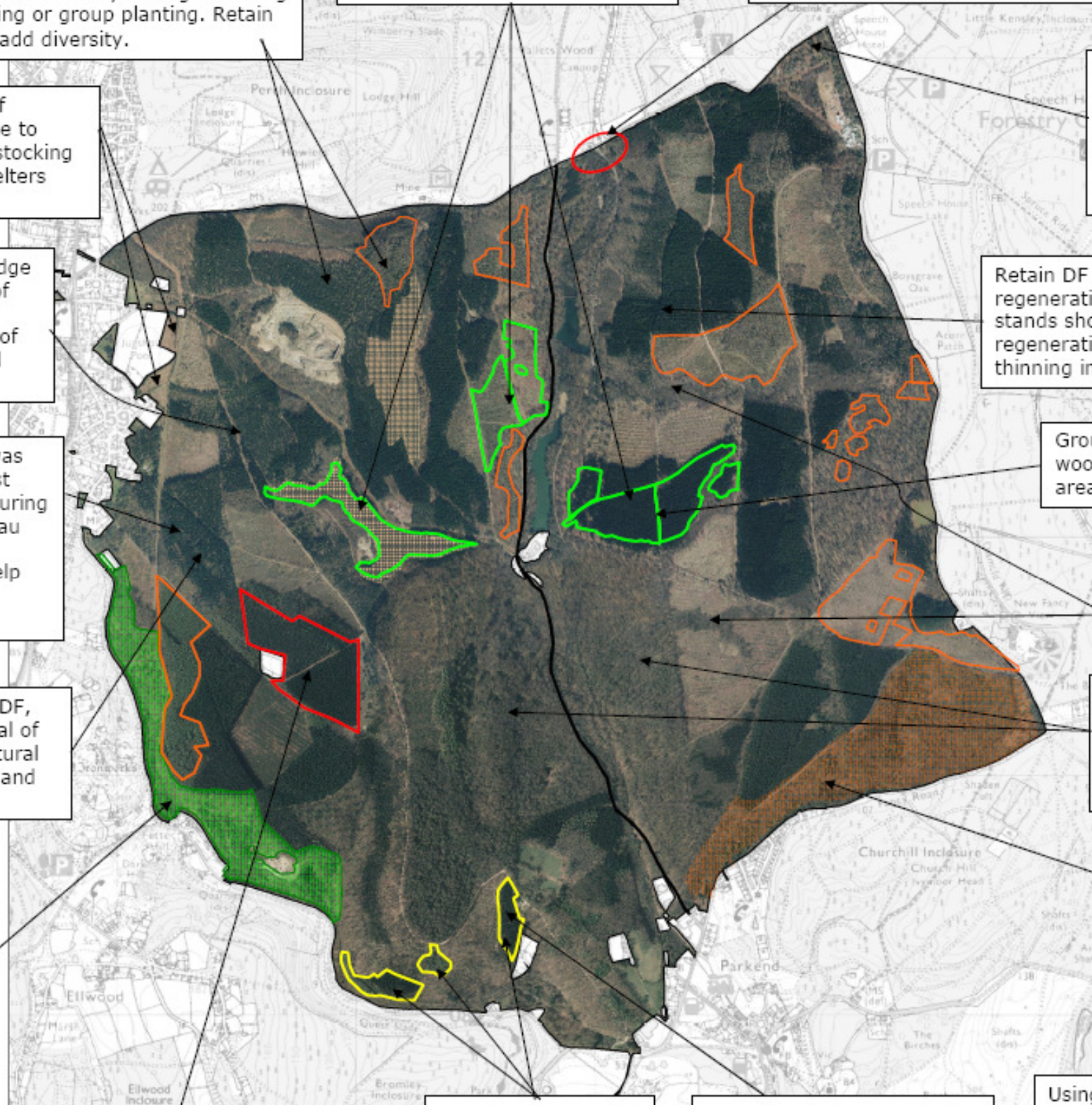
Areas of Larch will be monitored for Phytophthora. Any restocking of infected felled sites will be used as an opportunity to increase resilience to changes in climate.

Where little or no ground vegetation exists and growth of existing crops is slowing down: e.g. areas of mature NS. These areas will be regenerated through group felling and planting enabling opportunities to increase resilience to changes in climate when restocking.

A number of small areas of conifer should be held in retention for internal landscape purposes.

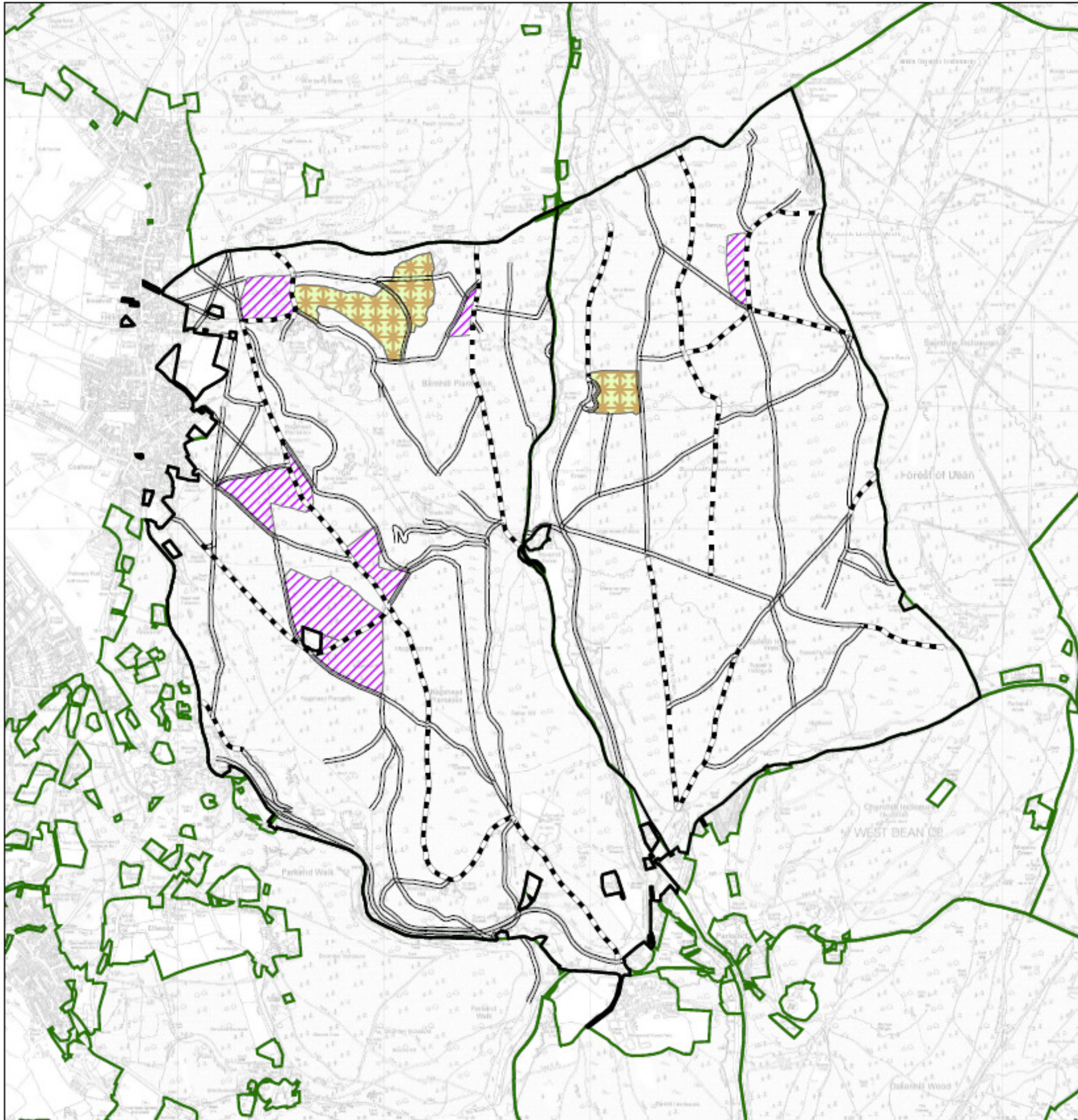
Heavily thin NS around Nagshead car park to make more visually attractive, retaining trees into old age.

Using group felling and restocking along with group planting / under-planting will add to structural diversity, help to spread age class distribution as well as presenting opportunities to increase resilience to changes in climate.



Scale 1:20,000





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Forest Design Plan

NAGSHEAD AND

RUSSELLS INCLOSURE

2013 - 2023

Silvicultural Systems


## Legend

— Forest Ride

•••• Forest Road

 **Fell 2047-2051  
(target date for final overstorey removal)**

In order to establish the next rotation, groups of upto 0.5Ha may be felled at each thinning intervention and the gaps created restocked with conifer, broadleaves or both. Retaining some DF or SP overstorey trees scattered through the crop will add structural diversity to the woodland as well as enhancing visual appeal.

 **Removal of conifers by thinning**

Although no target date is set for the final removal of overstorey trees, the understorey will be assessed at each thinning intervention, with natural regeneration of the appropriate size being released and existing broadleaves being haloed. Additional gaps created will be of up to 0.5Ha and used for enrichment planting. Some mature SP will be retained to add structural diversity and conservation value.

Scale 1:20,000









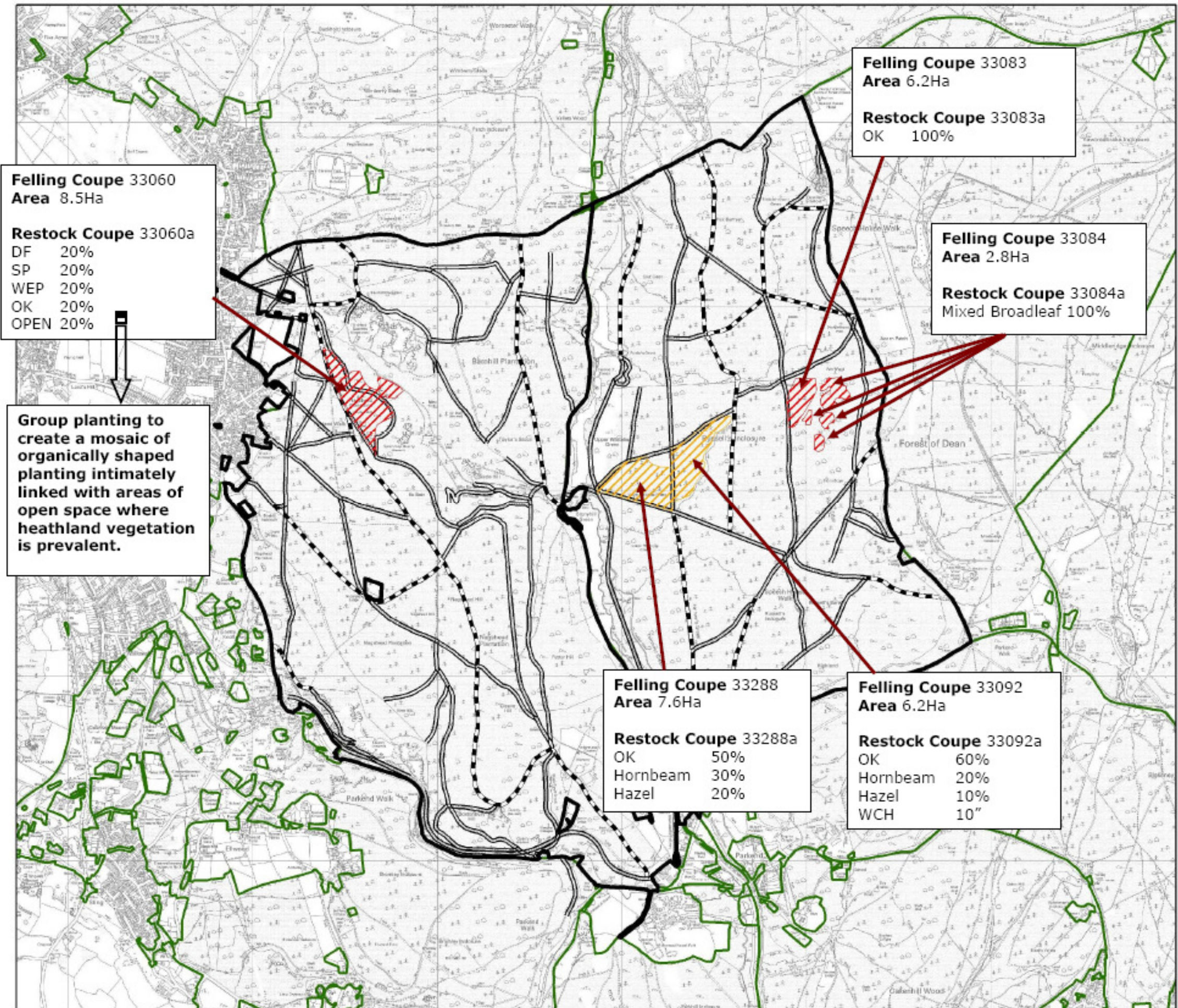
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**Forest Design Plan  
NAGSHEAD AND  
RUSSELLS INCLOSURE  
2013 - 2023  
Felling plan 2013-2023**

**Legend**

-  Forest Ride
-  Forest Road
-  Nagshead\_FDP\_boundary
-  Fell 2017-2021
-  Fell 2022-2026
-  Fell 2027-2031



**Felling Coupe 33060**  
Area 8.5Ha

**Restock Coupe 33060a**  
DF 20%  
SP 20%  
WEP 20%  
OK 20%  
OPEN 20%

**Group planting to create a mosaic of organically shaped planting intimately linked with areas of open space where heathland vegetation is prevalent.**

**Felling Coupe 33083**  
Area 6.2Ha

**Restock Coupe 33083a**  
OK 100%

**Felling Coupe 33084**  
Area 2.8Ha

**Restock Coupe 33084a**  
Mixed Broadleaf 100%

**Felling Coupe 33288**  
Area 7.6Ha

**Restock Coupe 33288a**  
OK 50%  
Hornbeam 30%  
Hazel 20%

**Felling Coupe 33092**  
Area 6.2Ha

**Restock Coupe 33092a**  
OK 60%  
Hornbeam 20%  
Hazel 10%  
WCH 10%

Scale 1:20,000





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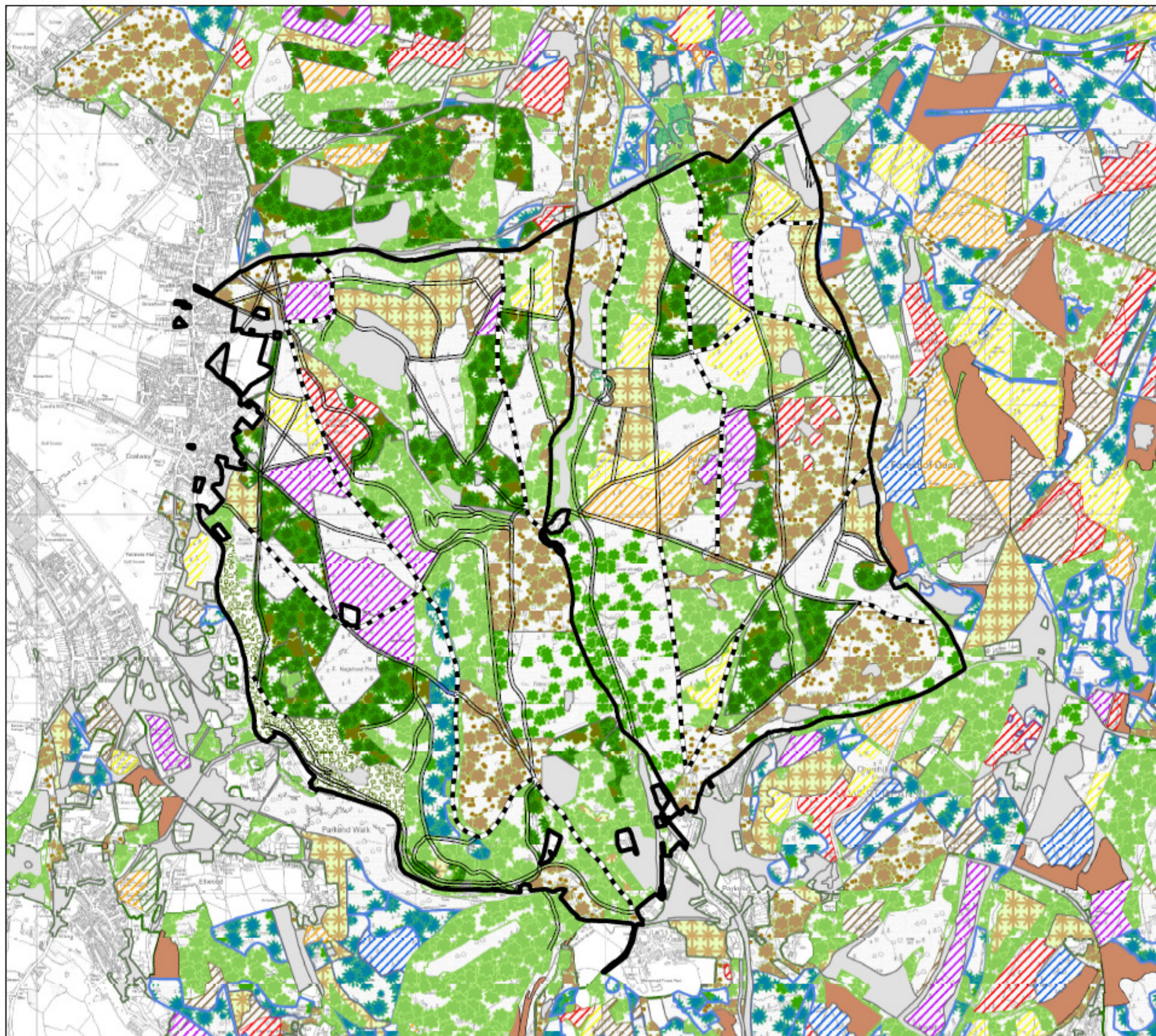
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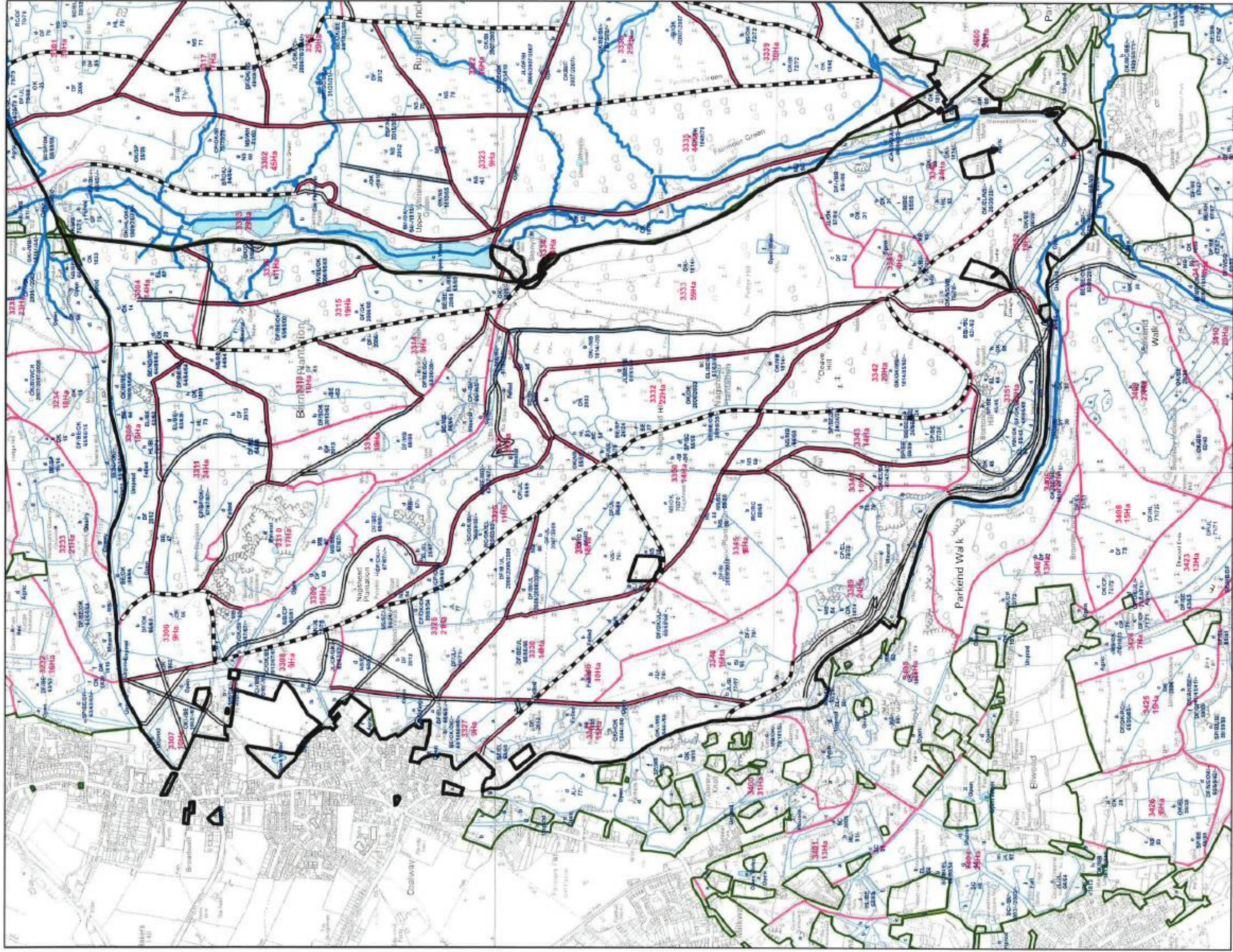
**Forest Design Plan**  
**NAGSHEAD AND**  
**RUSSELLS INCLOSURE**  
**2013 - 2023**  
**Felling plan 2013-2051**  
**(incl adj FP areas)**

**Legend**

- Forest Ride
- Forest Road
- Nagshead\_FDP\_boundary
- Fell 2012-2016
- Fell 2017-2021
- Fell 2022-2026
- Fell 2027-2031
- Fell 2032-2036
- Fell 2037-2041
- Fell 2042-2046
- Fell 2047-2051
- Removal of conifers by thinning
- Conifer retention
- Conifer crop on extended rotation
- Wood pasture
- Broadleaved shelterwood
- Mature habitat retention
- Minimum Intervention
- Mixed Amenity Woodlands
- Open land

Scale 1:20,000

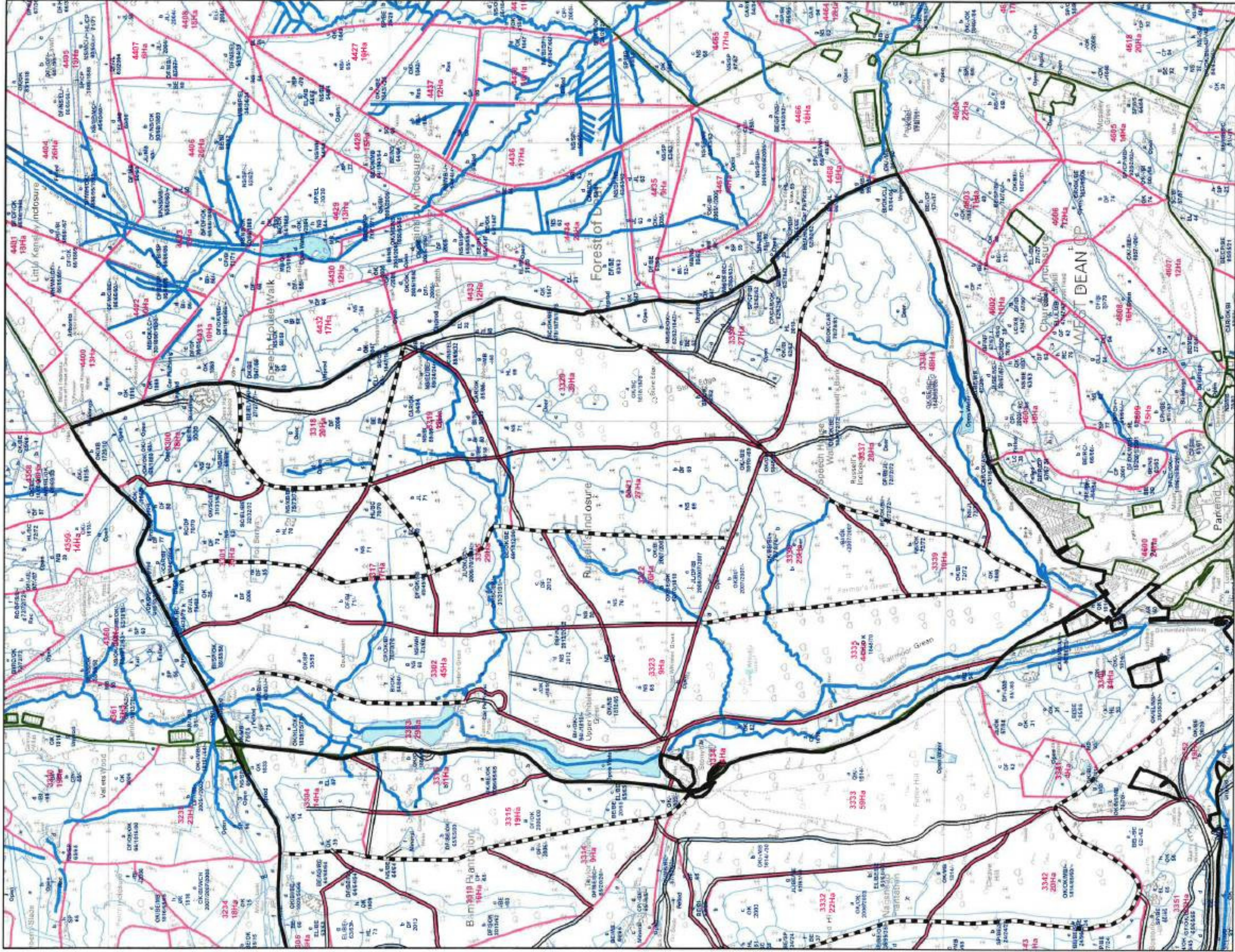




**NAGSHEAD**  
current stock map  
July 2013

Scale 1:12,000





West England  
Forest District



**NAGSHEAD (RUSSELLS)**  
current stock map  
July 2013

Scale

1:12,000

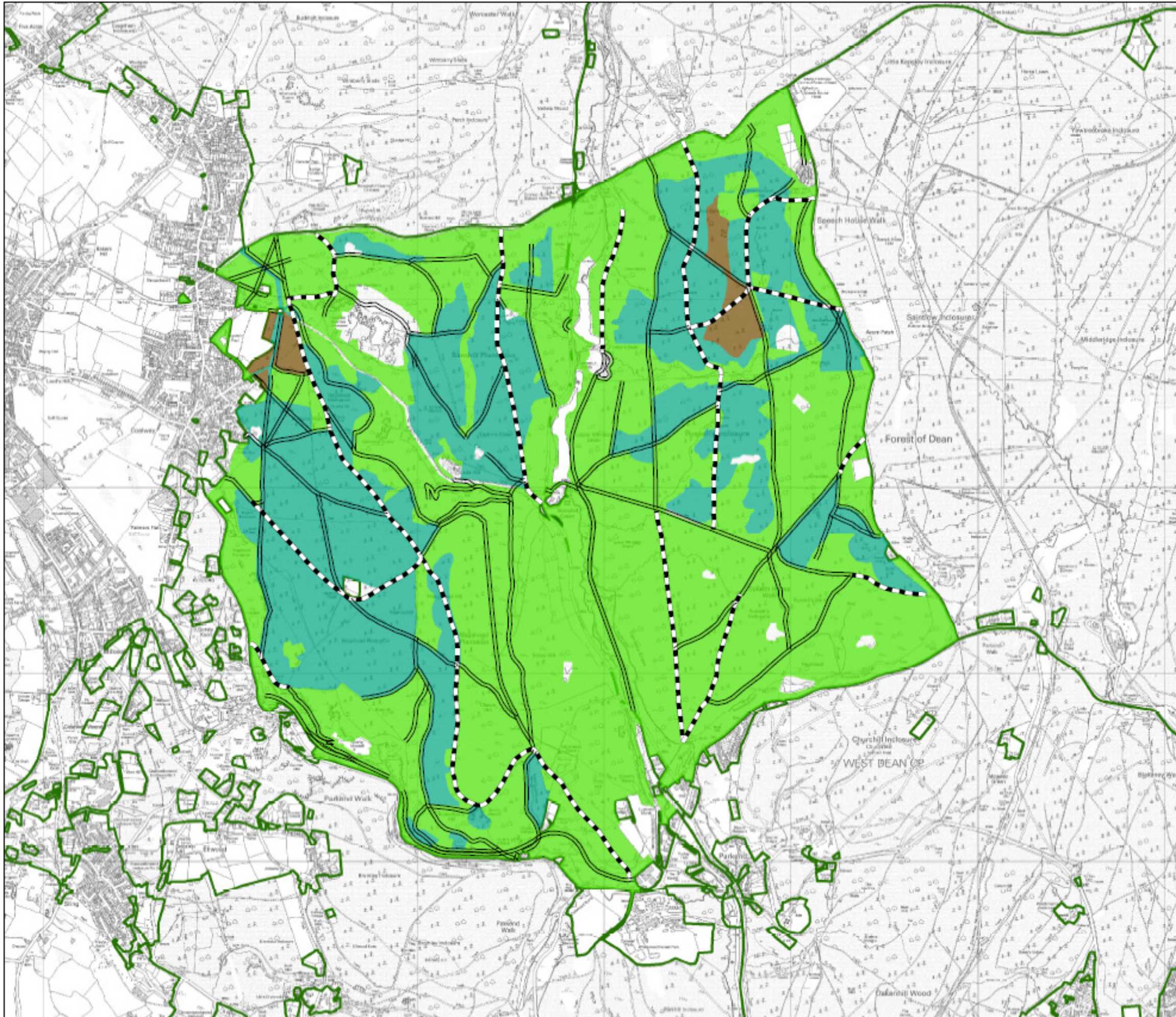




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**Forest Design Plan**  
**NAGSHEAD AND**  
**RUSSELLS INCLOSURE**  
**2013 - 2023**  
**Indicative Future species**



**Legend**

- Forest Ride
- Forest Road
- Evergreen conifers
- Native broadleaves
- Non-native broadleaves
- SC

Scale 1:20,000

