

Gledenholm LMP 2024-2034
Map 3: Concept

Scale @ A3: 1:15,000
Date: 7/4/2024

Legend

- Forest Roads
- Watercourses
- Conifer growing areas
- Broadleaf biodiversity network
- Ancient Woodland (of semi-natural origin)
- Long-Established woodland of plantation origin (LEPO)
- Other woodland (on Roy map)
- Sites of Special Scientific Interest
- 100m buffer zone around the SSSI
- Blocks



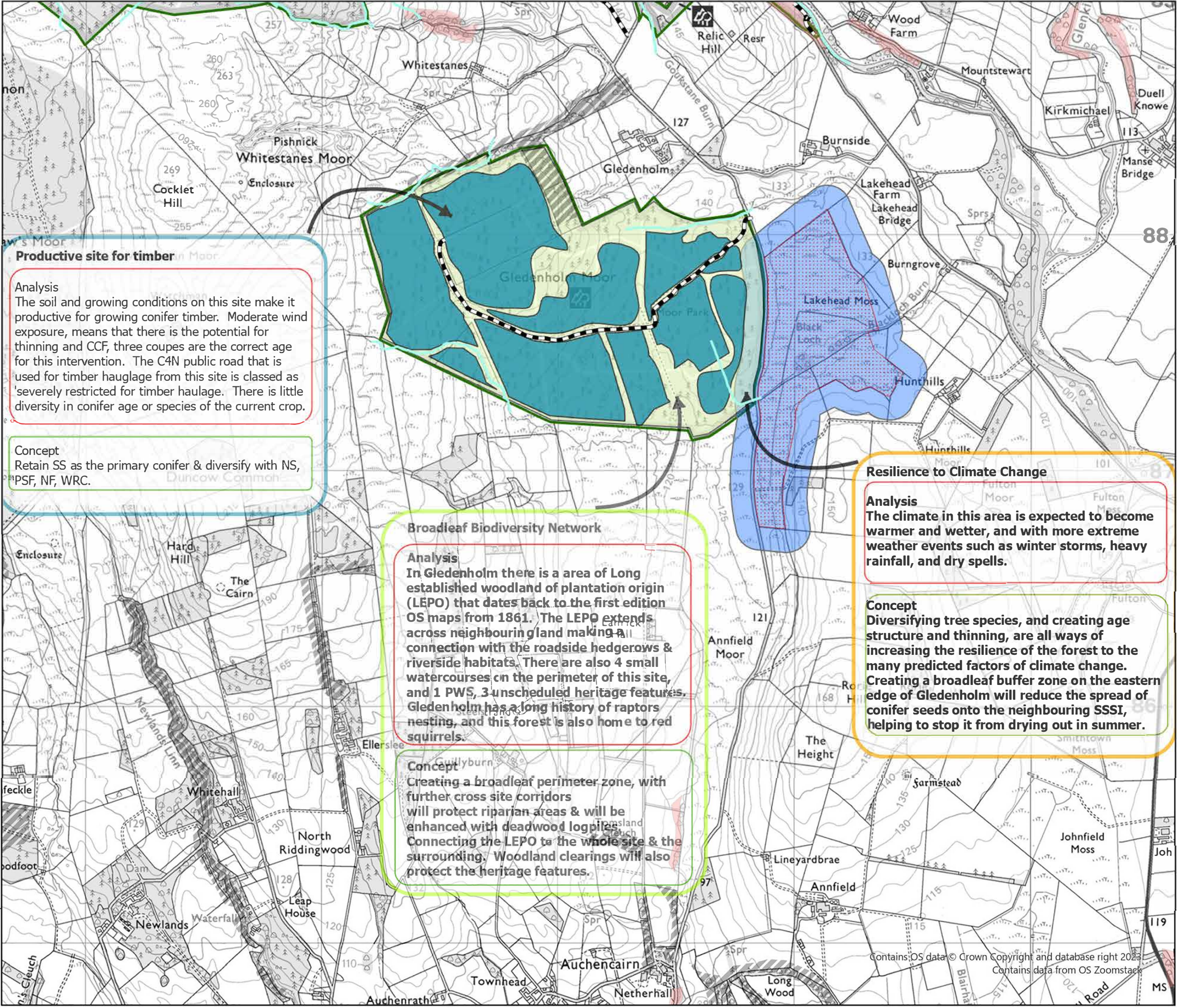
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Productive site for timber

Analysis
The soil and growing conditions on this site make it productive for growing conifer timber. Moderate wind exposure, means that there is the potential for thinning and CCF, three coupes are the correct age for this intervention. The C4N public road that is used for timber haulage from this site is classed as 'severely restricted for timber haulage. There is little diversity in conifer age or species of the current crop.

Concept
Retain SS as the primary conifer & diversify with NS, PSF, NF, WRC.

Broadleaf Biodiversity Network

Analysis
In Gledenholm there is a area of Long established woodland of plantation origin (LEPO) that dates back to the first edition OS maps from 1861. The LEPO extends across neighbouring land making a connection with the roadside hedgerows & riverside habitats. There are also 4 small watercourses on the perimeter of this site, and 1 PWS, 3 unscheduled heritage features. Gledenholm has a long history of raptors nesting, and this forest is also home to red squirrels.

Concept
Creating a broadleaf perimeter zone, with further cross site corridors will protect riparian areas & will be enhanced with deadwood log piles. Connecting the LEPO to the whole site & the surrounding. Woodland clearings will also protect the heritage features.

Resilience to Climate Change

Analysis
The climate in this area is expected to become warmer and wetter, and with more extreme weather events such as winter storms, heavy rainfall, and dry spells.

Concept
Diversifying tree species, and creating age structure and thinning, are all ways of increasing the resilience of the forest to the many predicted factors of climate change. Creating a broadleaf buffer zone on the eastern edge of Gledenholm will reduce the spread of conifer seeds onto the neighbouring SSSI, helping to stop it from drying out in summer.