

WHITELEE FOREST LMP

SOILS

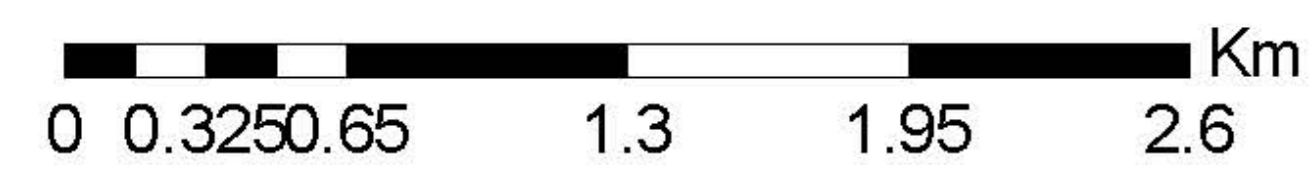
Author: u321351

Scale @ A0: 1:17,500

Date: 28/08/2019

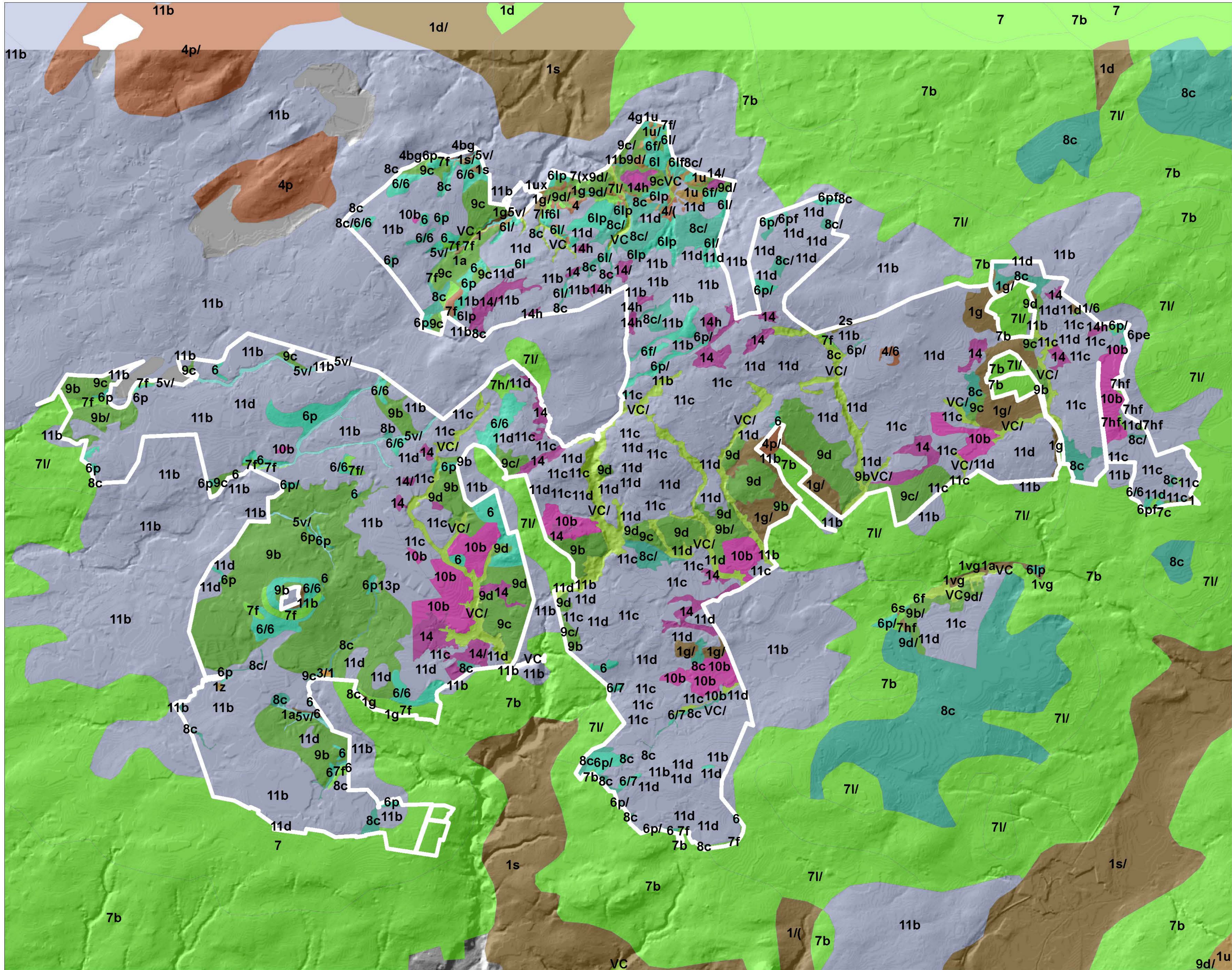
Legend

-  Whitelee Forest
- Soil Type**
-  1 [Typical Brown Earth]
-  1d [Basic Brown Earth]
-  1u [Upland Brown Earth]
-  1z [Podzolic Brown Earth]
-  2s [Mining Spoil, Stony or Coarse Textured]
-  3 [Typical Podzol]
-  4 [Typical Ironpan Soil]
-  4b [Intergrade Ironpan Soil]
-  5 [Typical Ground-Water Gley]
-  6 [Typical Peaty Surface-Water Gley]
-  7 [Typical Surface-Water Gley]
-  7b [Brown Surface-Water Gley]
-  8b [Juncus articulatus or acutiflorus Bog]
-  8c [Juncus effusus Bog]
-  9b [Tussocky Molinia Bog, Molinia, Calluna Bog]
-  9c [Tussocky Molinia, Eriophorum vaginatum Bog]
-  9d [Non-Tussocky Molinia, Eriophorum vaginatum, Trichophorum Bog]
-  9e [Trichophorum, Calluna, Eriophorum, Molinia Bog (Weakly Flushed)]
-  10b [Upland Sphagnum Bog]
-  11b [Calluna, Eriophorum vaginatum Blanket Bog]
-  11c [Trichophorum, Calluna Blanket Bog]
-  11d [Eriophorum Blanket Bog]
-  13p [Peaty Ranker]
-  14 [Shallow Hagged Eroded Bog]
-  14h [Deeply Hagged Eroded Bog]
-  VC [Valley Complex]



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9d/1u

WHITELEE FOREST LMP

CLIMATE

Author: u321351

Scale @ A0: 1:17,500

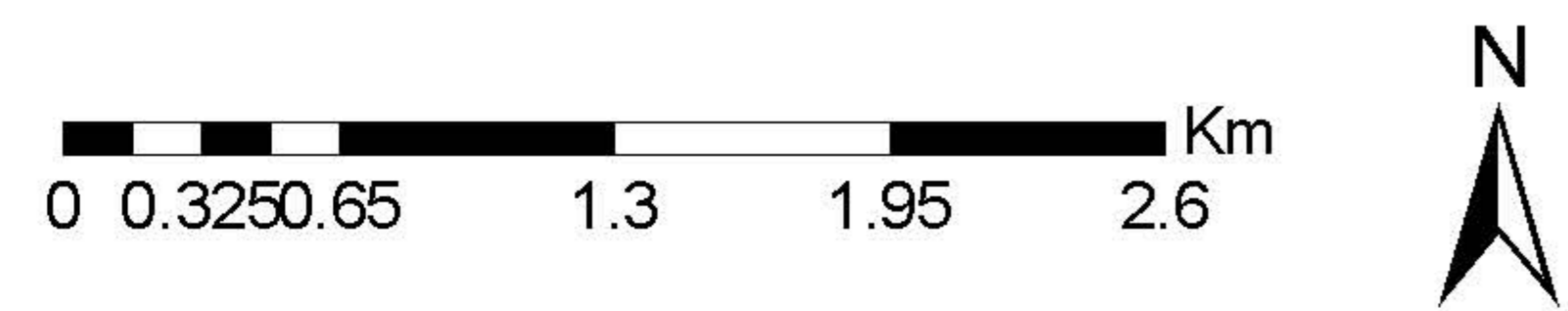
Date: 29/08/2019

Legend

 Whitelee Forest

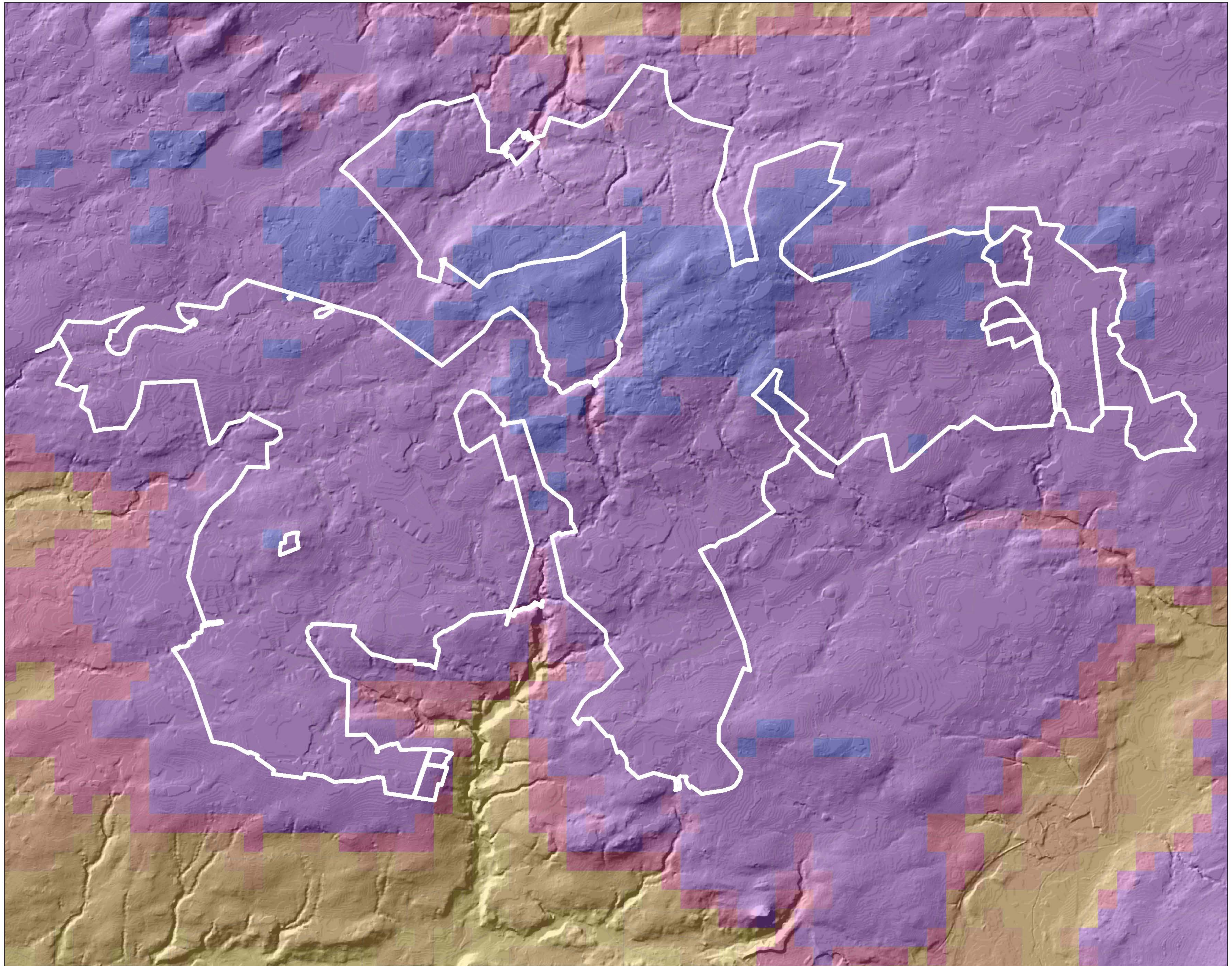
Climatic Conditions

-  Cool/Wet/Severely Exposed
-  Cool/Wet/Highly Exposed
-  Cool/Wet/Moderately Exposed
-  Cool/Wet/Sheltered
-  Warm/Wet/Highly Exposed
-  Warm/Wet/Moderately Exposed
-  Warm/Wet/Sheltered
-  Warm/Moist/Highly Exposed
-  Warm/Moist/Moderately Exposed
-  Warm/Moist/Sheltered



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WHITELEE FOREST LMP

CURRENT STOCK

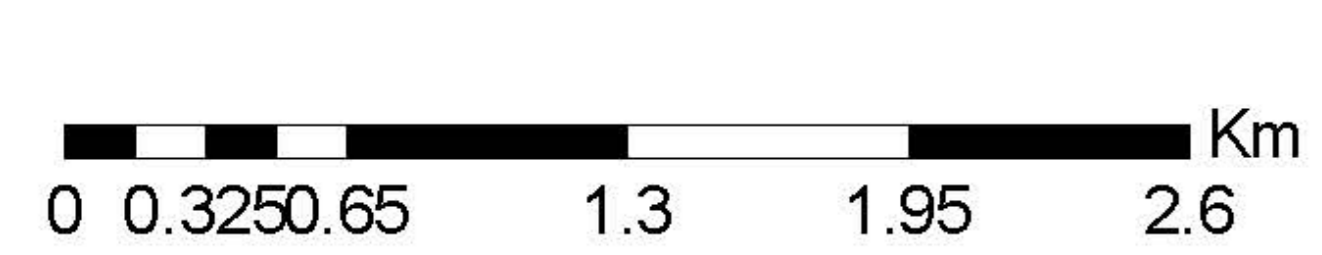
Author: u321351

Scale @ A0: 1:17,500

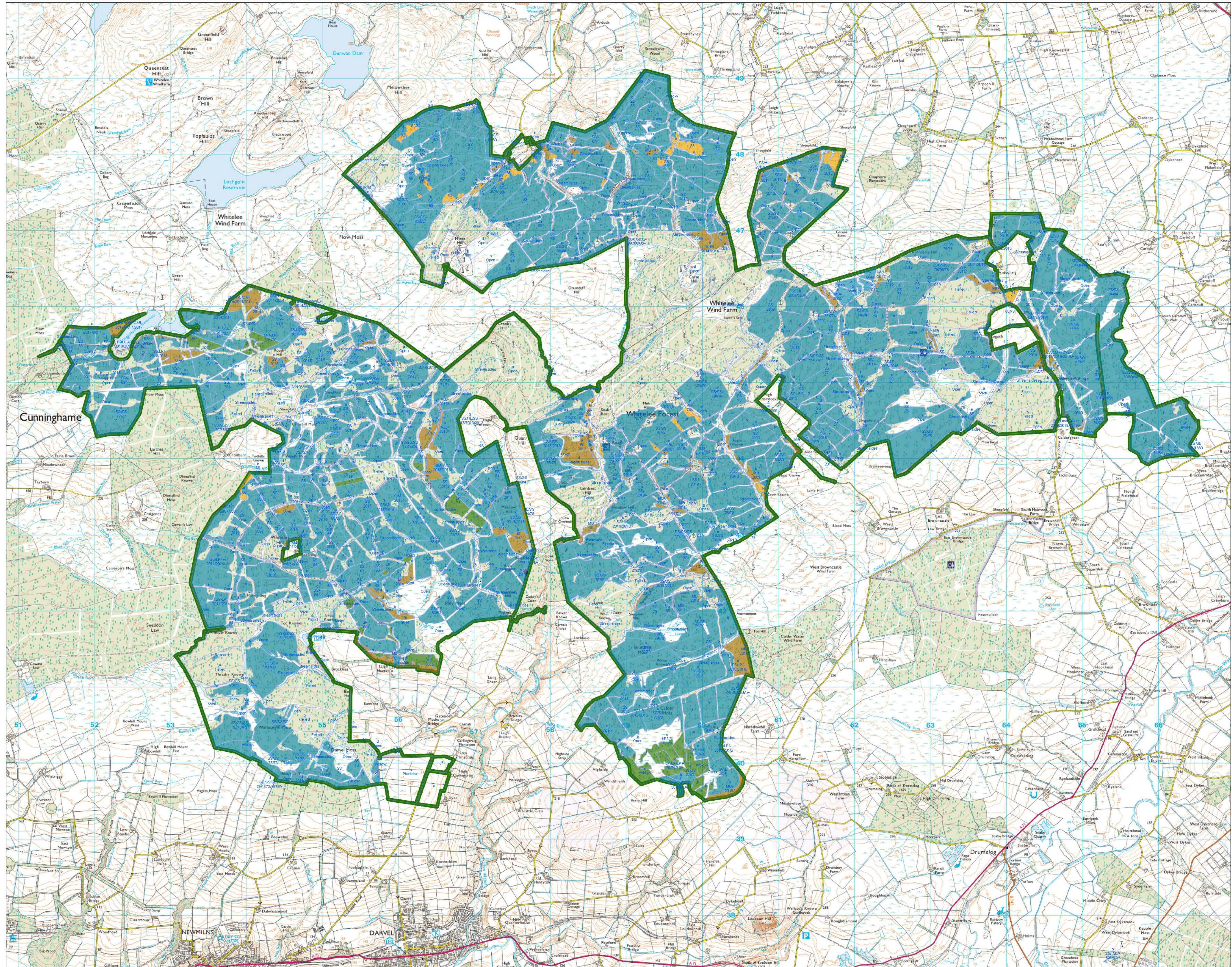
Date: 28/08/2019

Legend

-  Whitelee Forest
-  Spruces
-  Pines
-  Larches
-  Other Conifers
-  Other Broadleaves
-  Oaks
-  Beeches
-  Open/other



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**Whitelee Forest LMP
Surface Model minus
Terrain Model data
Yield Class Heat Map (2010 data)**

Author: u321351

Scale @ A0: 1:17,500

Date: 26/09/2019

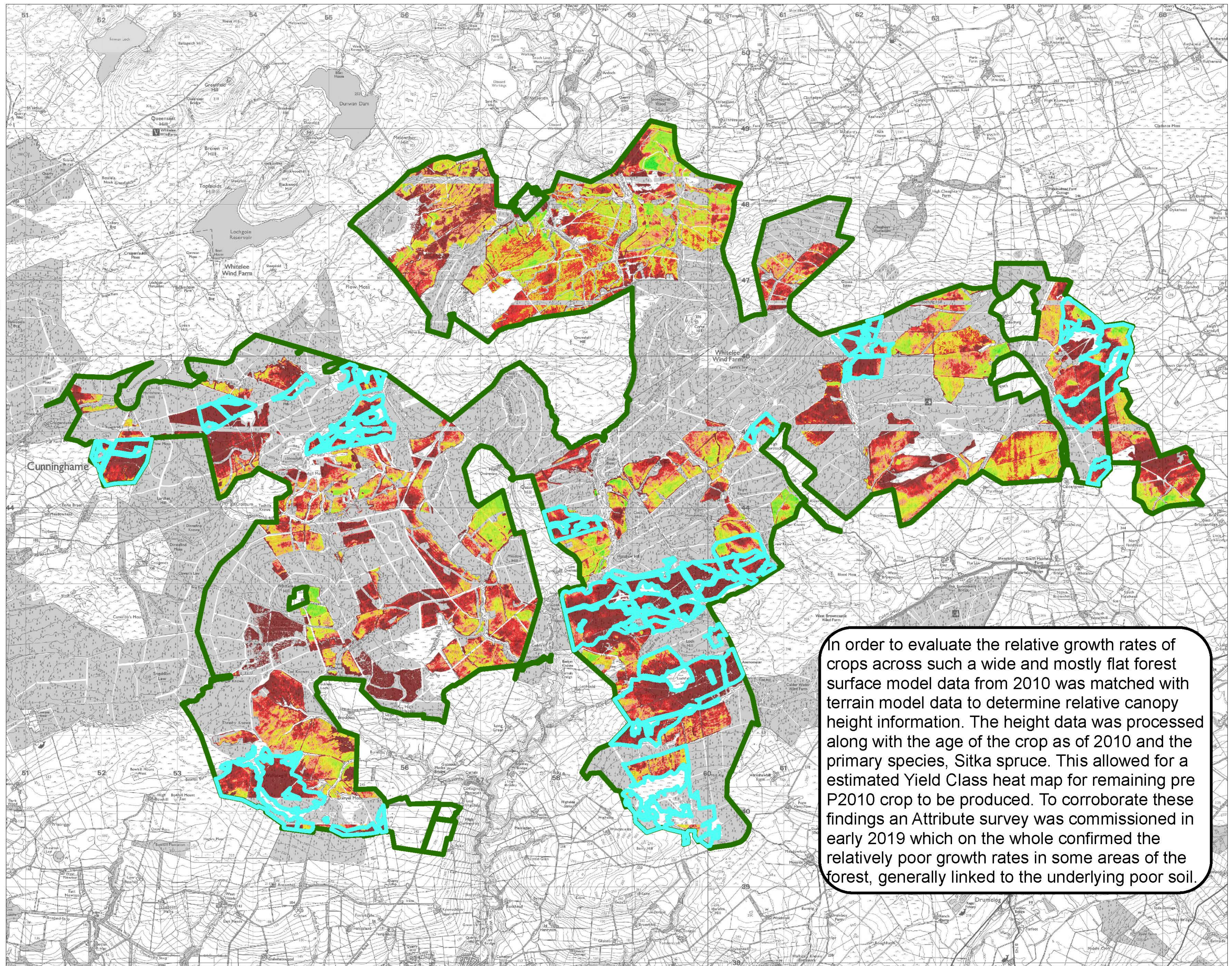
Legend

 Whitelee Forest

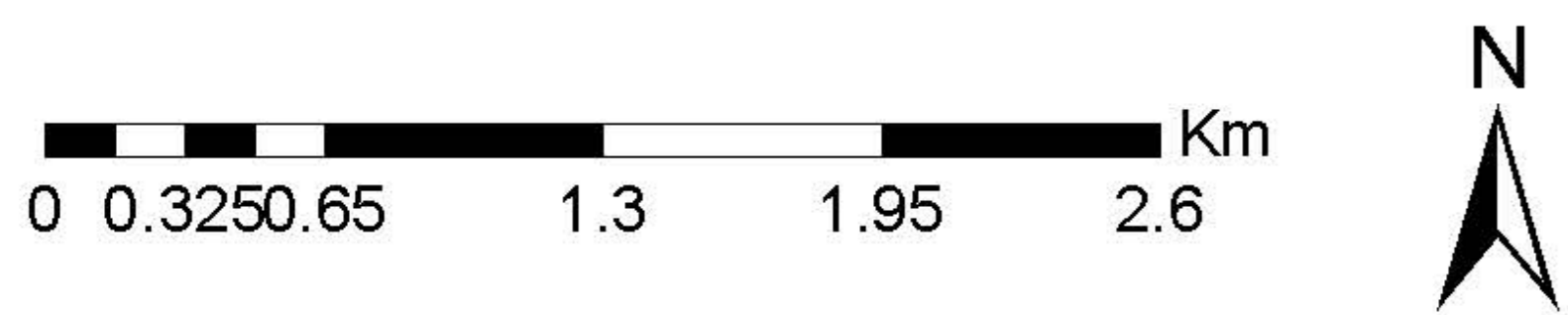
 2019 Attribute Survey Area

Estimated 2010 Yield Class

-  0
-  2 - 4
-  8
-  10
-  12
-  14
-  16
-  18
-  20
-  22
-  24



In order to evaluate the relative growth rates of crops across such a wide and mostly flat forest surface model data from 2010 was matched with terrain model data to determine relative canopy height information. The height data was processed along with the age of the crop as of 2010 and the primary species, Sitka spruce. This allowed for an estimated Yield Class heat map for remaining pre P2010 crop to be produced. To corroborate these findings an Attribute survey was commissioned in early 2019 which on the whole confirmed the relatively poor growth rates in some areas of the forest, generally linked to the underlying poor soil.



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