



Confor
Promoting forestry and wood

The Carbon Angle in Trees and Wood Production

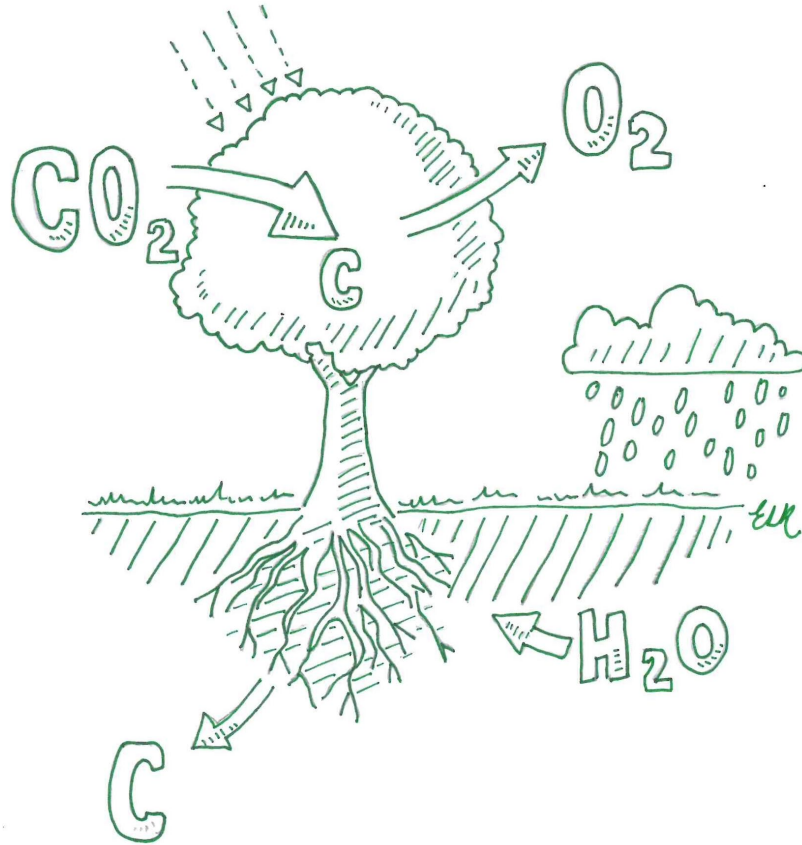
Emma Kerr

Carbon Manager, Scottish Woodlands



**SCOTTISH
WOODLANDS**

WCC a threat to UK Net Zero & timber processing sector?



Emma Kerr, Head of Carbon, Scottish Woodlands Ltd

Carbon Team

203 projects, 13,000ha → 2.4 million tCO₂e

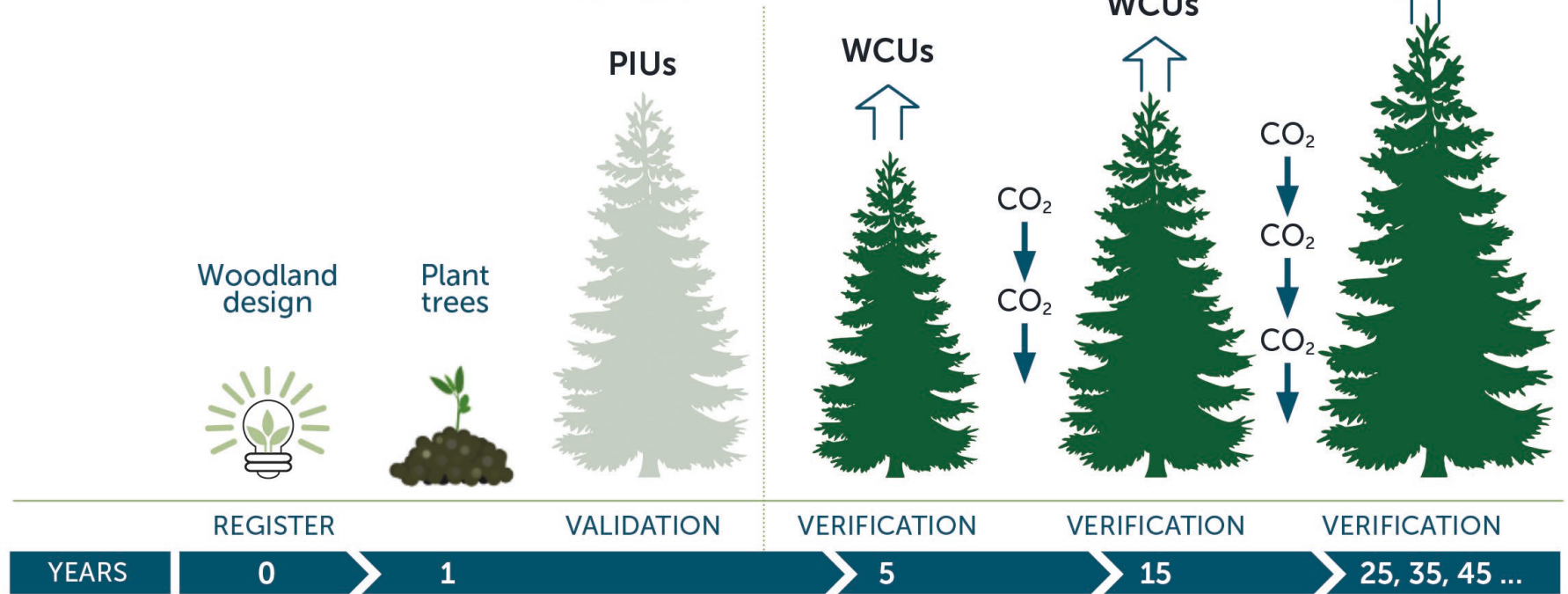


UK Woodland Carbon Code

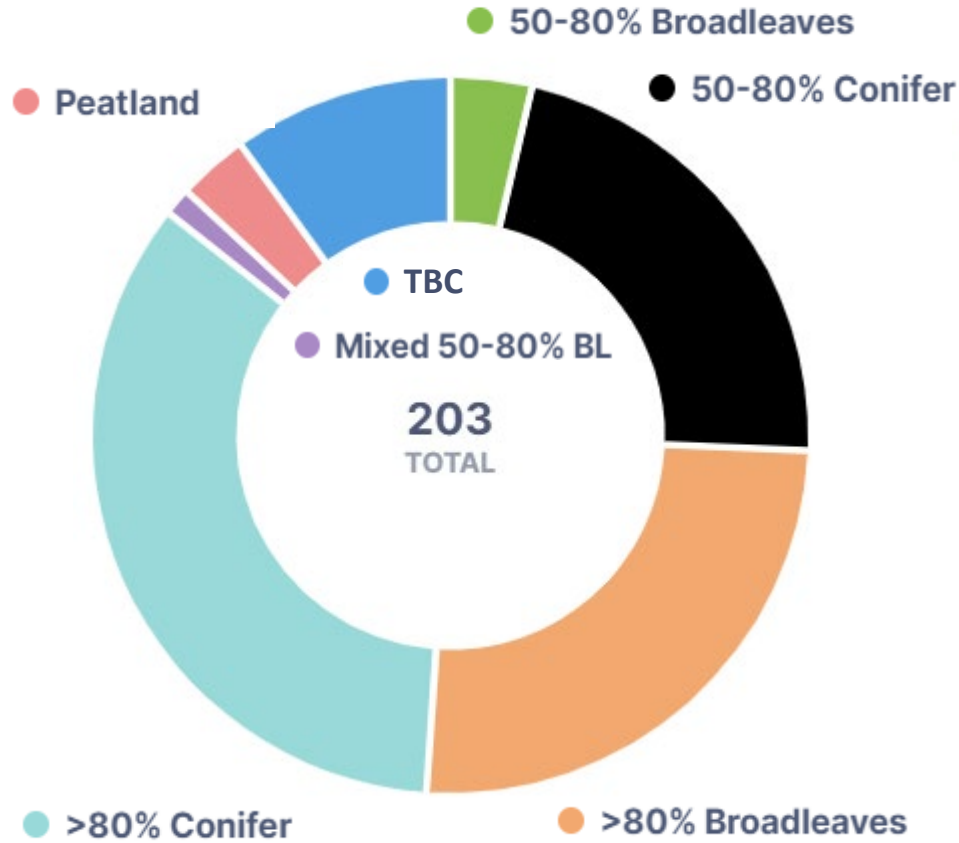


Validated Carbon
 Predicted number of carbon units woodland is **expected** to sequester over the lifetime of the scheme.

Verified Carbon
 This is the carbon **actually** sequestered at various points during the lifetime of the scheme.

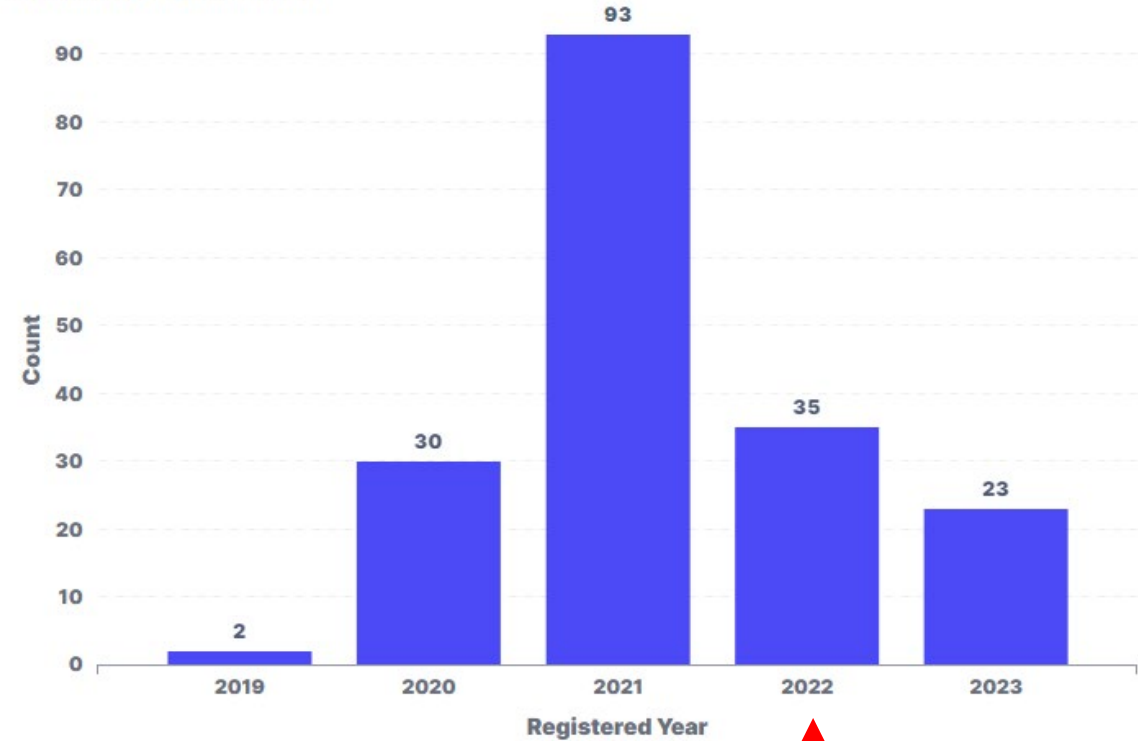


SWL Carbon Portfolio



> 50% conifer 57%
 > 50% broadleaf 30%
 Peatland 3% Design stage 10%

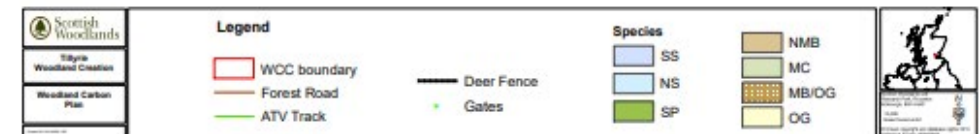
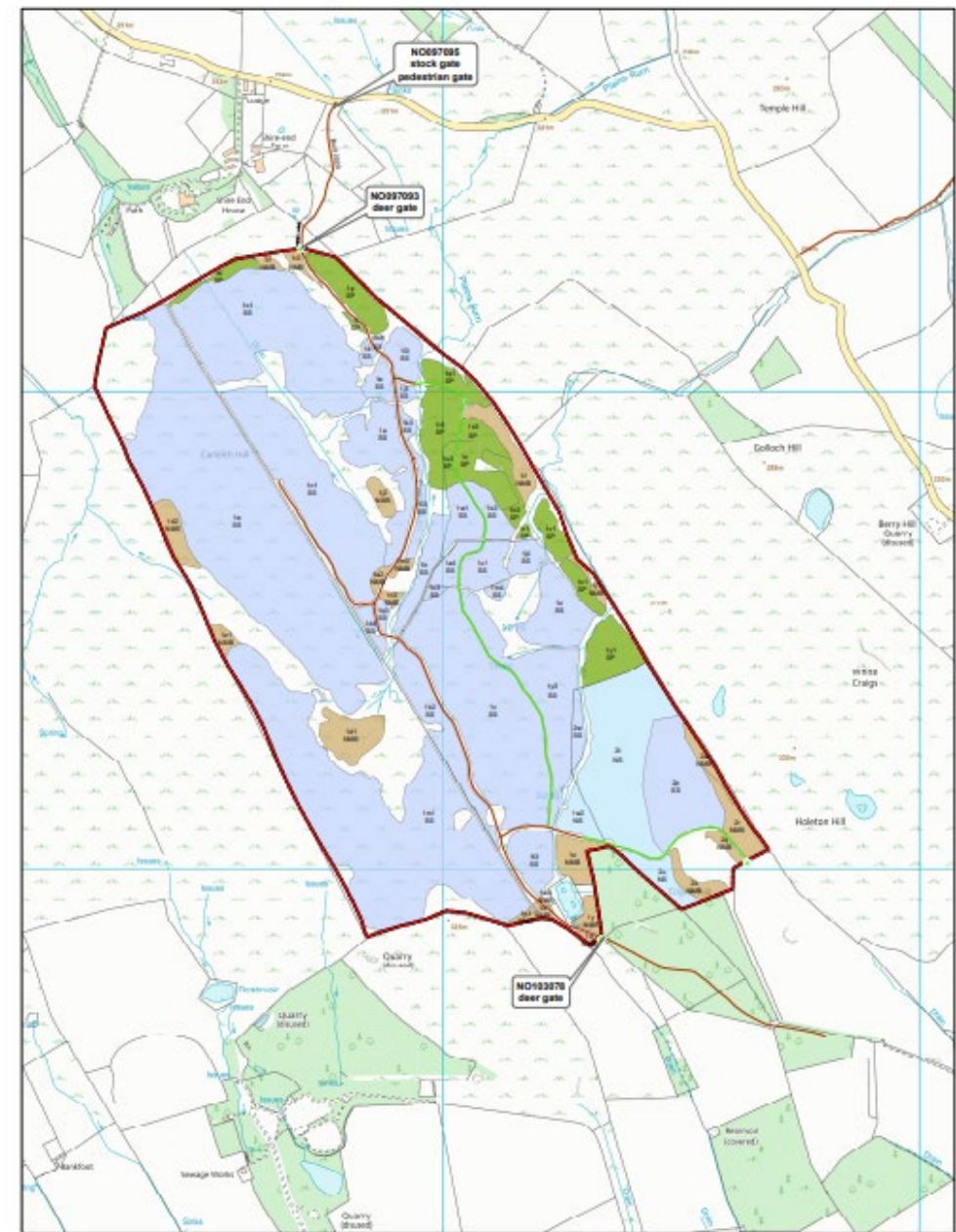
Projects by registered year



↑
WCC rule change

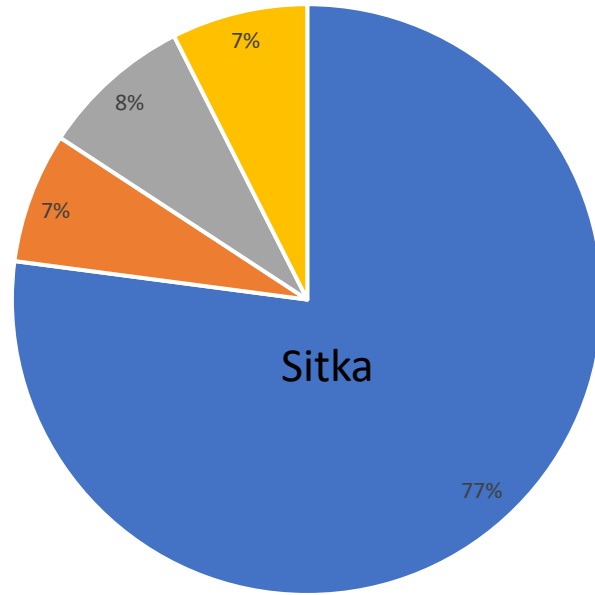
Tillyrie Case Study

- Owned by JJSL
- 86.96ha (net)
- UKFS compliant
- Validated to WCC v2.0
- Successfully passed
- 10,803 tCO₂e
- 35 year carbon project



Tillyrie – Species Mix

WCC v2.0



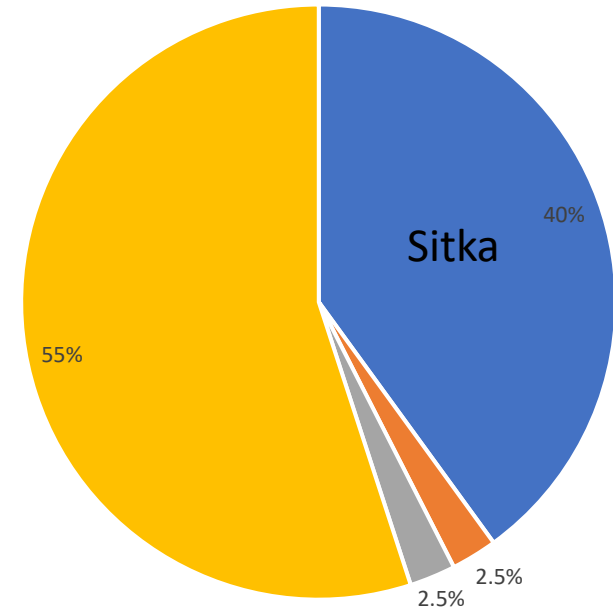
- Sitka spruce
- Scots pine
- Norway spruce
- Mixed broadleaves

77% Sitka, 15.5% MC, 7.5% MBL
of 86.96ha net plantable area

47.5%
drop in
productive
conifer area



WCC v2.2

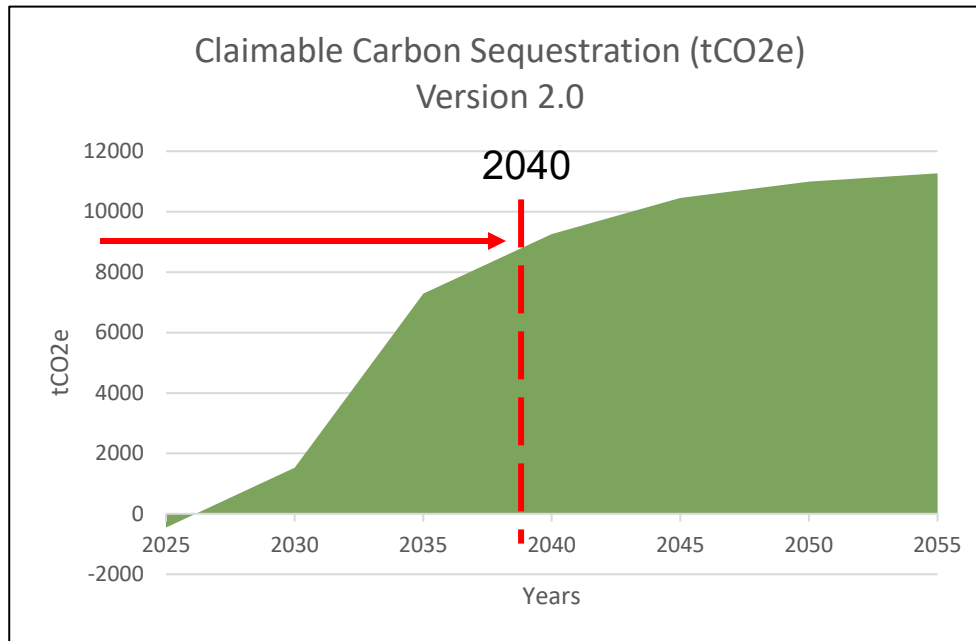


- Sitka spruce
- Scots pine
- Norway spruce
- Mixed broadleaves

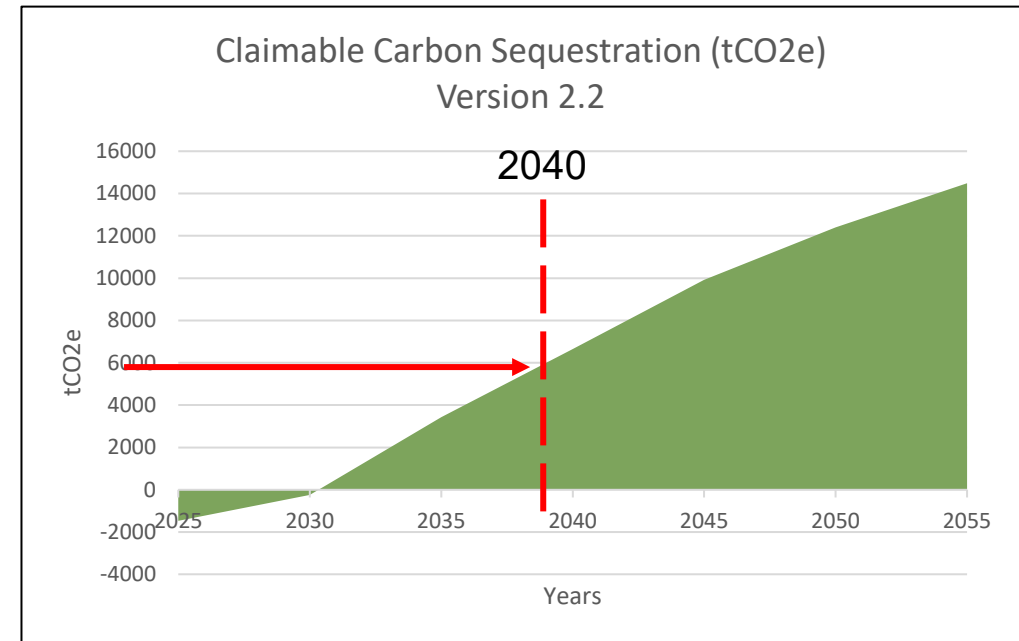
40% Sitka, 5% MC, 55% MBL
of 86.96ha net plantable area

Tillyrie – Carbon Yield

- If both scenarios were planted in 2025...
- Yield ~ 11,500-12,000 tCO₂e
- However, the conifer model delivers verified sequestered carbon yield earlier



WCC v2.0 – **9,253 tCO₂e**
at 2040



WCC v2.2 – **6,654 tCO₂e**
at 2040

Tillyrie – Timber Product Output



37,732 tonnes

Version 2.0

47.5%
drop in
productive
tonnage



19,809 tonnes

Version 2.2

Tillyrie – Carcassing Material

4,500m³
Version 2.0



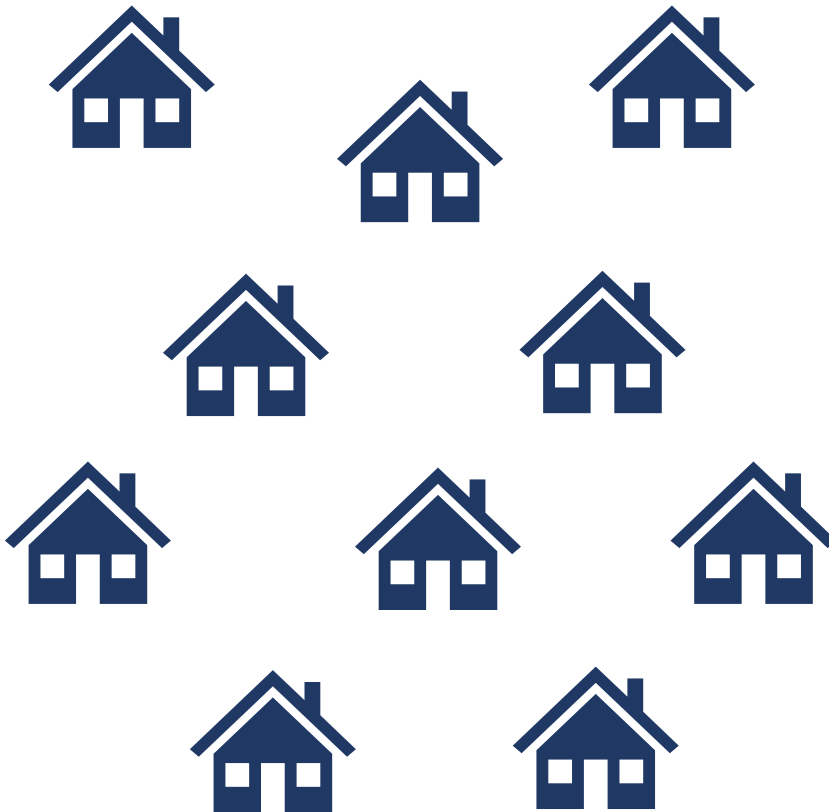
2,362m³
Version 2.2



Tillyrie – Number of Houses

900 houses

Version 2.0



472 houses

Version 2.2

47.5%
drop in
houses built
out of UK
carcassing
material



Summary

- A simple change in the WCC could dilute the area of new productive conifer by 50%
- Loss of carcassing material and other co-products
- Loss of rural jobs – 25ha spruce → 1 sustainable job
- Risk increasing the import gap > 80%
- Large scale consequence
- How far does the pendulum swing away from productive forestry?

