

Sitka Spruce and Scottish Forestry: Historical and Ecological Perspectives

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Introduction



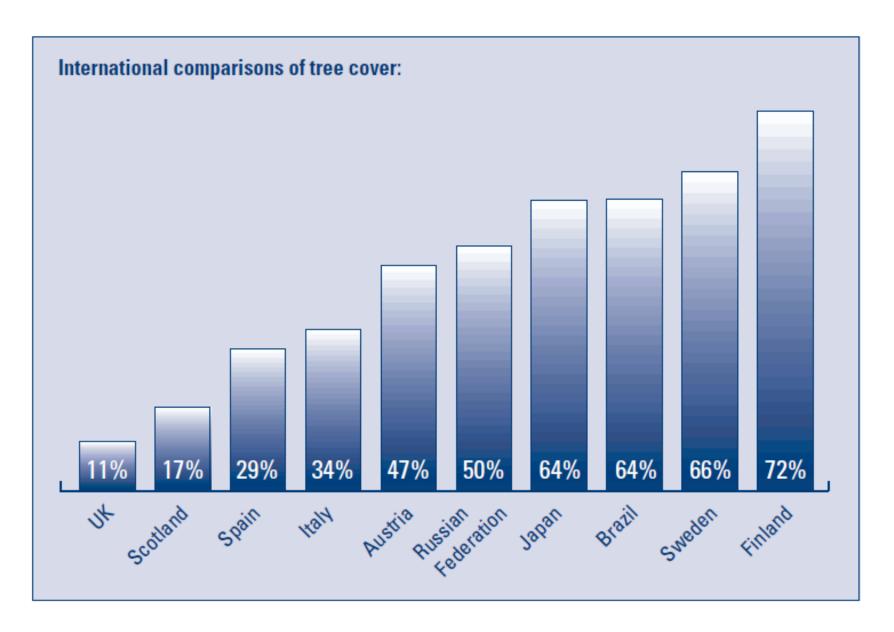






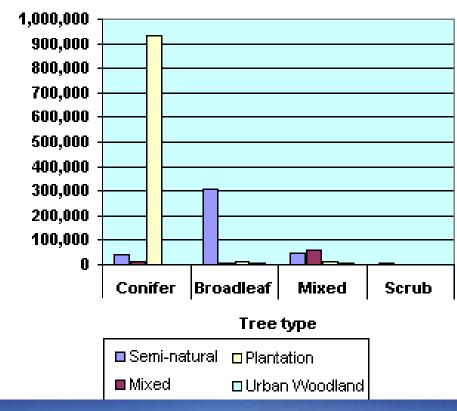
'it may ... become of equal or greater importance [than Douglas fir] as it possesses one great advantage over that one by growing to a very large size...in apparently poor, thin, damp soils... This unquestionably has great claims on our consideration as it would thrive in such places in Britain where even Pinus sylvestris finds no shelter. It would become a large and useful tree ... This if introduced would profitably clothe the bleak, barren hilly parts of Scotland ... besides improving the beauty of the country.'

Forests & Woodlands as a % of Land Area



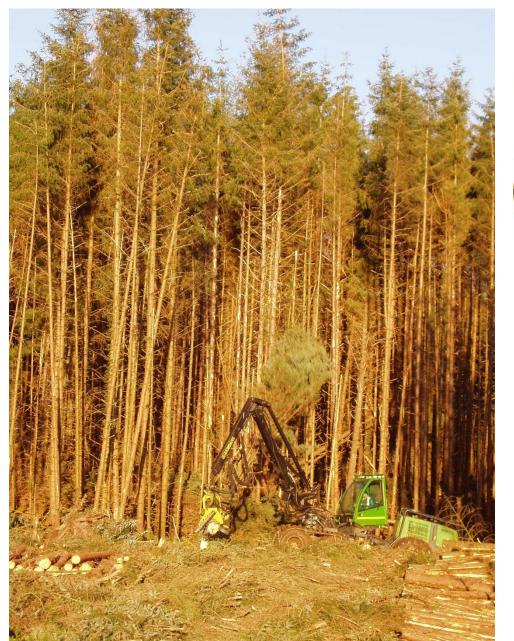
Woodland composition

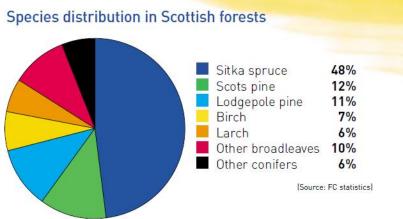






Scottish Forestry Today



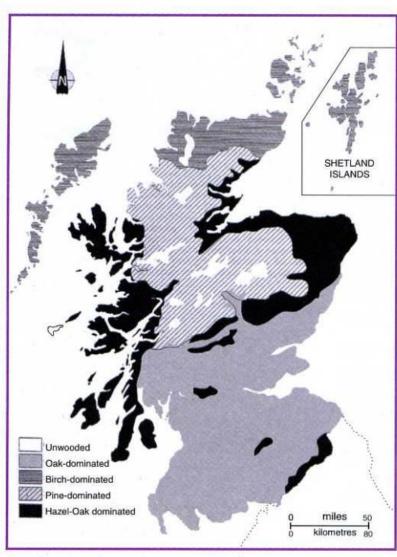


At 500,000 ha, Sitka spruce comprises 48% of the total woodland area of Scotland (1.3 million hectares)

And almost 60% of all conifer woodland.

Over 70 per cent of Scotland's forests were planted during the second half of the 20th century.

Scotland's Forest Cover



Six thousand years ago Scotland was almost entirely wooded. Courtesy Richard Tipping

- 6,000BP c.50-60%
- 2,000BP c.25%

Smout et al 2005

NATIVE TREES

Scots Pine

Oak (2 species)

Ash

Wych Elm

Birch (2 main species)

Willow (several)

Hazel

Alder

Aspen

Rowan

Cherry (2)

Yew (?)

Woodland Cover

- 1800 up to 9% of the land area.
 - Of this planted woodland of non-native or native species accounted for 1/5th
- 1900 around 6%.
 - perhaps ½ of the ancient semi-natural woods had been lost.

Smout et al 2005



19th century Woods & Trees



Corrour & Loch Ossian



Ardverikie estate & Loch Laggan



Original Douglas Fir (Scone Palace)



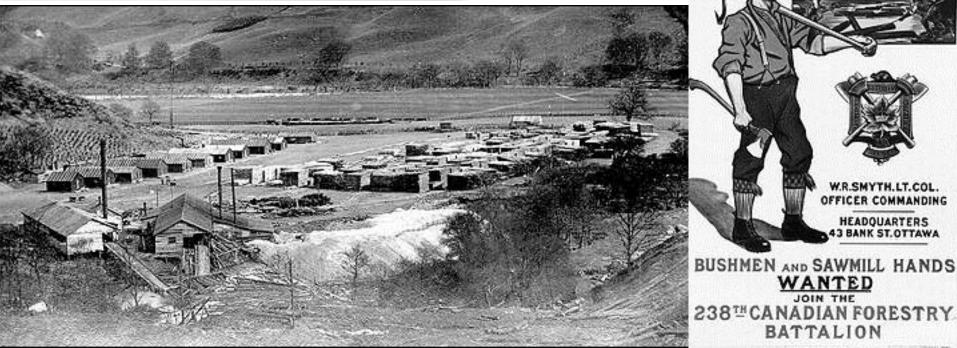
Diana's Grove, Blair Atholl



The Great War

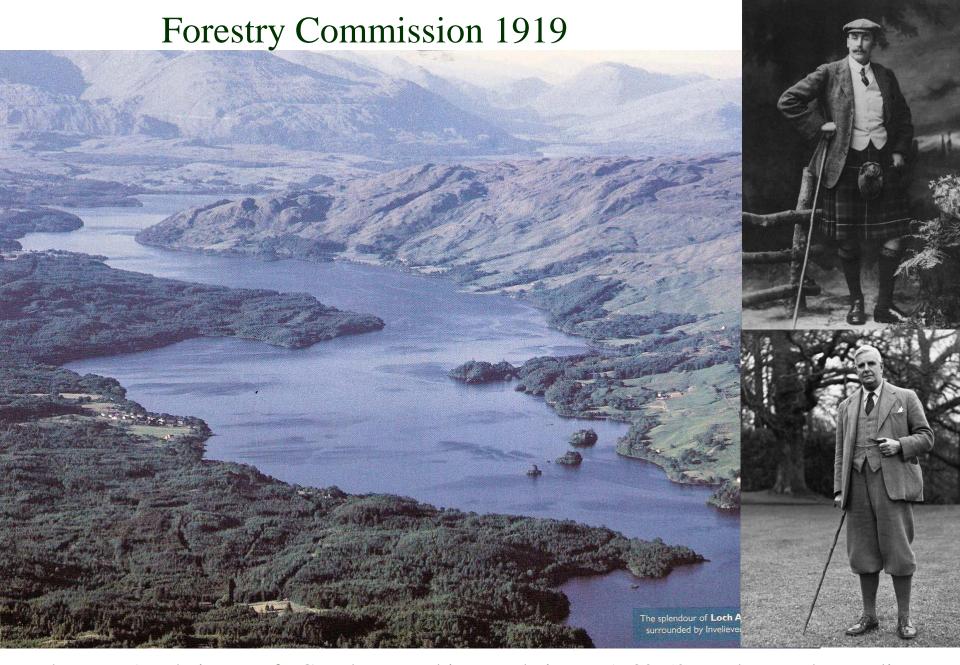


'it has been revealed that we were only three weeks from disaster at one point.' (William Ling Taylor)



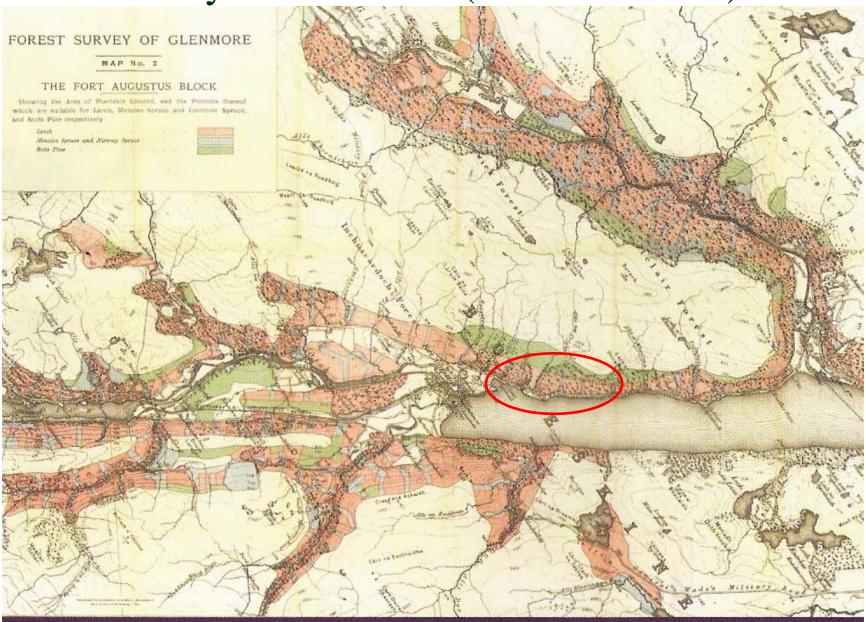


BATTALION



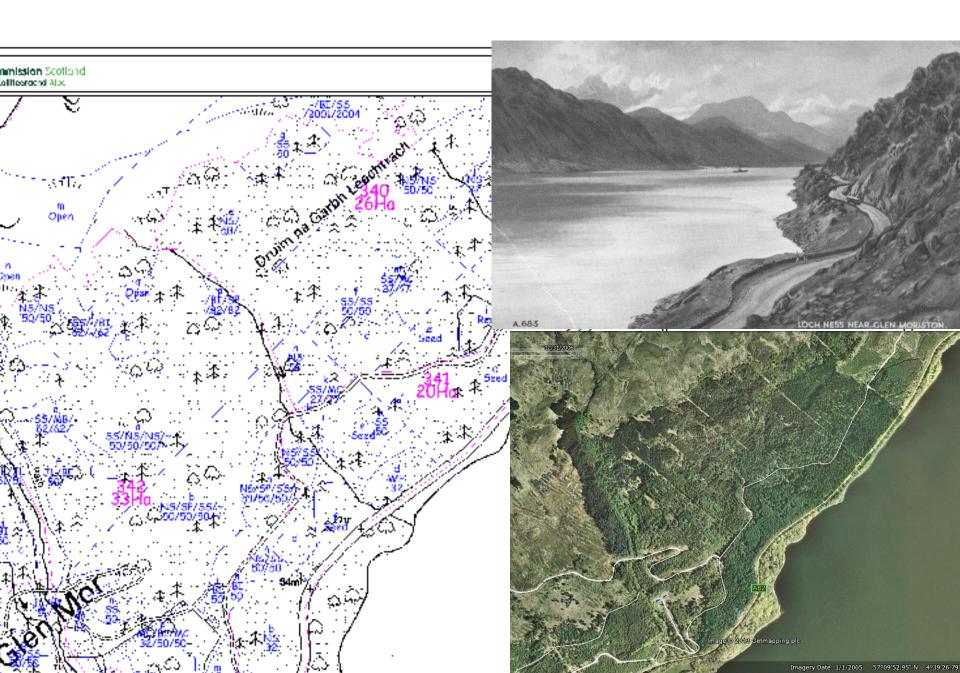
Lord Lovat, 1st chairman of FC and Roy Robinson, chairman 1932-52. Background: Inverliever forest on Loch Awe, Scotland's first state forest, 1907.

The Survey of Glen Mor (the Great Glen) 1911

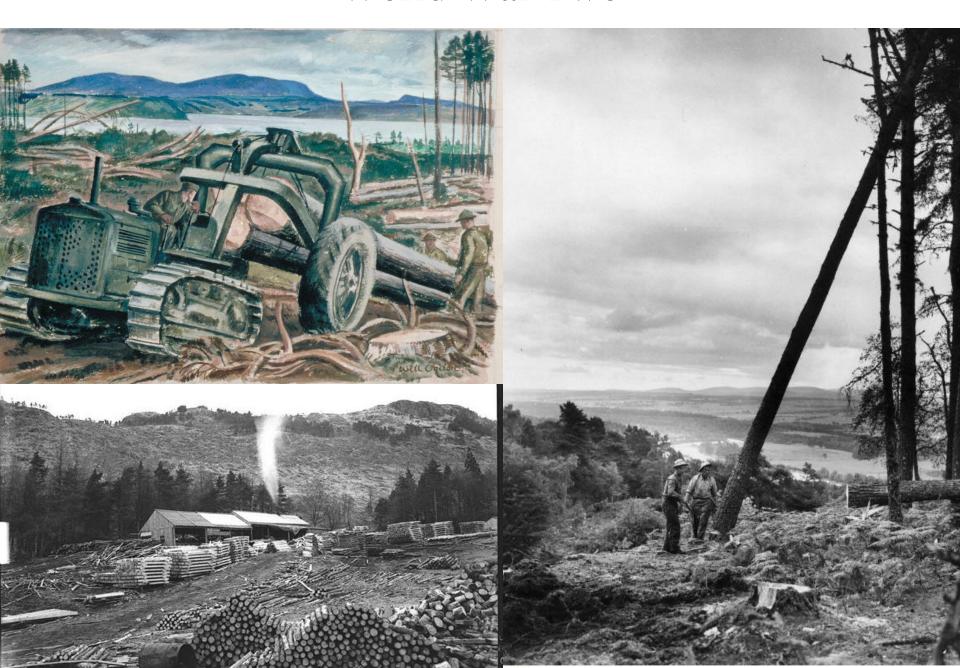


Lovat's vision for afforestation in the Great Glen. Map shows areas proposed for planting, west end of Loch Ness, 1911

Portclair in Glen Mor



World War Two

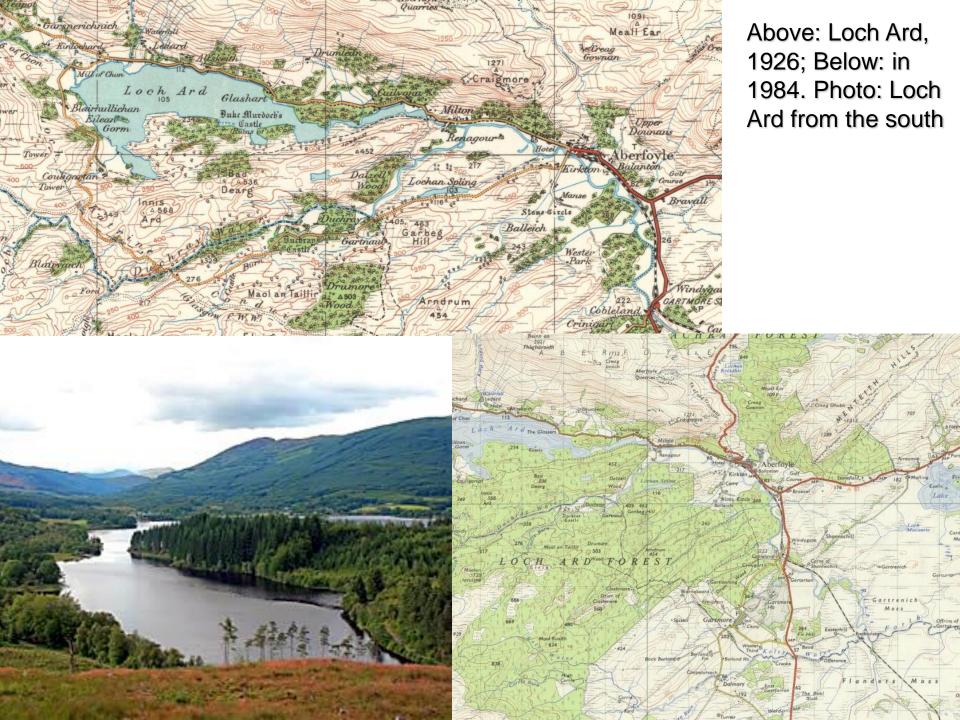


Mechanisation



Post-war Afforestation





Landscape and Ecological Impacts





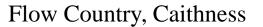




Environmental backlash 1980s

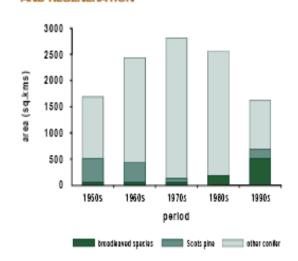








PLANTING, REPLANTING AND REGENERATION



Ecological restoration



Kinloch Hills Restoration Project, Isle of Skye, 2009

Sitka spruce from a Scottish forest

