



**Landcare Research**  
**Manaaki Whenua**

# Afforestation of erosion-prone land in the Manawatu – Implications for carbon sequestration and other ecosystem services

A-G Ausseil, J Dymond



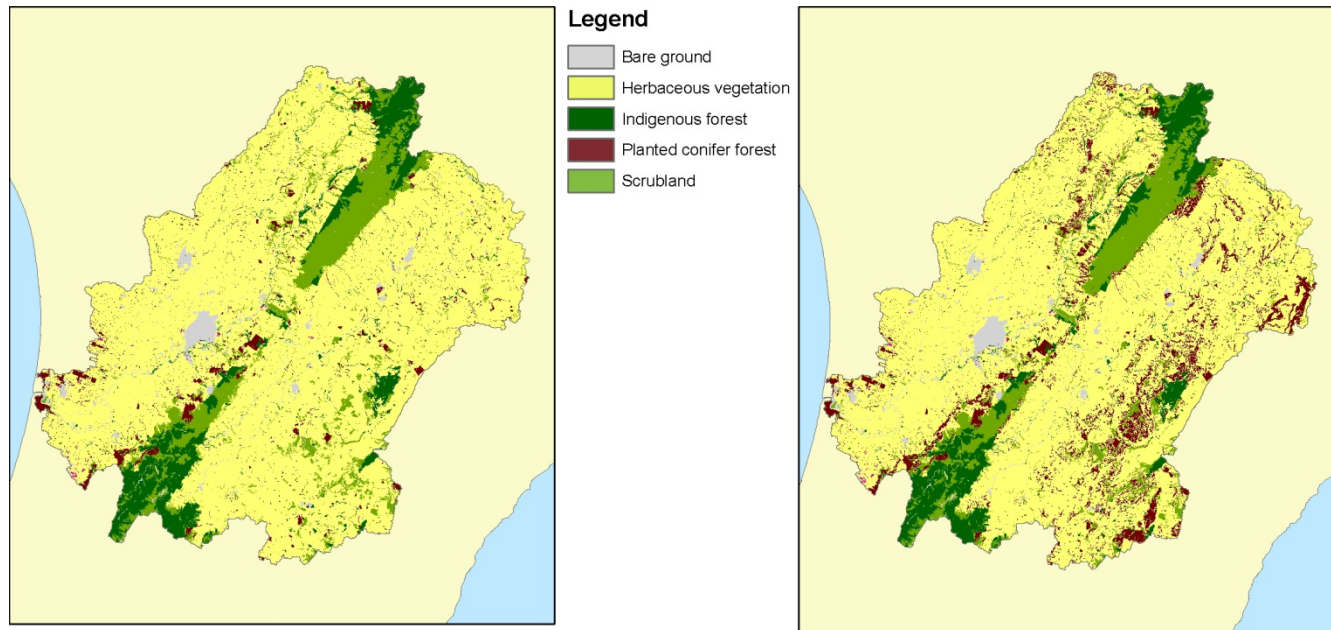
# Objectives

Assess implications of afforestation on erosion-prone land in terms of:

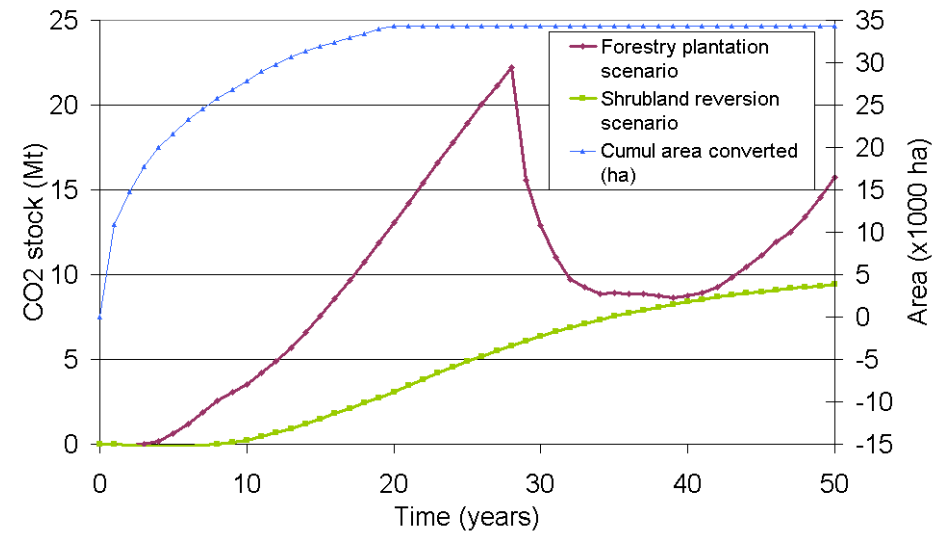
- Carbon sequestration • water yield • sediment yield • natural habitat provision
- Nitrate leaching

2 scenarios tested in the Manawatu catchment:

- Forestry plantation
- Reversion to Manuka/kanuka



# Results



Carbon sequestration

Other ecosystem services

