

Owner: Kelly & Andy Canning



**Plantation  
Development  
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## **Cootes family eucalypt plantation.**

- Area of plantation:** 40 hectares.
- Year of planting:** July 2000.
- Species & provenance:** *Eucalyptus camaldulensis* (River Red Gum).  
Douglas, Hindmarsh, Albacutya and Barmah provenances in alternating rows.
- Site preparation:** Cropped, grazed and stubble burnt, 1999-April 2000.  
Ripped (winged ripper) to 65 cm and mounded to 30 cm high, May 2000.  
Pre-plant weed control using Roundup, Brush-Off and Simazine, June 2000.
- Fertiliser:** 300 gm/tree of Pivot 800 applied in a band on the downhill side of the tree. No need for follow up fertiliser in the second year on the basis of foliar analysis in May 2001.
- Second year weed control:** June 2001. A mixture of Verdict, Simazine and Lontrel.
- Insect control:** Nil to date, but there was heavy damage to the growing tips in summer 2000.
- Replanting:** Not necessary due to high survival.
- Browsing control:** Wire netting fence surrounds the plantation.
- Eucalypt trial:** A trial of eucalypt hybrids has been planted. It is one of about 40 Australia wide which is aimed at finding the best clones for a range of conditions such as low rainfall, drought, salt tolerance and suitability for effluent fed plantations. The hybrids are those from River Red Gum and Blue Gum (*E. globulus*), and River Red Gum and Flooded Gum (*E. grandis*). The hybrids have out performed the parent species.
- Thinning:** The Red Gum and eucalypt hybrids were thinned to waste in 2004 to a stocking of 420 trees/ha. Eucalypt hybrids were second thinned to 200 trees/ha in 2006. Some 2006 thinnings were used for a vineyard post trial.
- Coppice control:** Coppice was sprayed with glyphosate when regrowth was about one metre tall, with varying but overall unsatisfactory results.
- Pruning:** Form pruning of Red Gum was in 2002. The Red Gum and Eucalypt hybrids were first pruned to 2.5 – 3.0 metres in summer 2003/04. The hybrids were pruned to six metres in

2006. Additional pruning in Red Gum was started in 2006 but not completed.

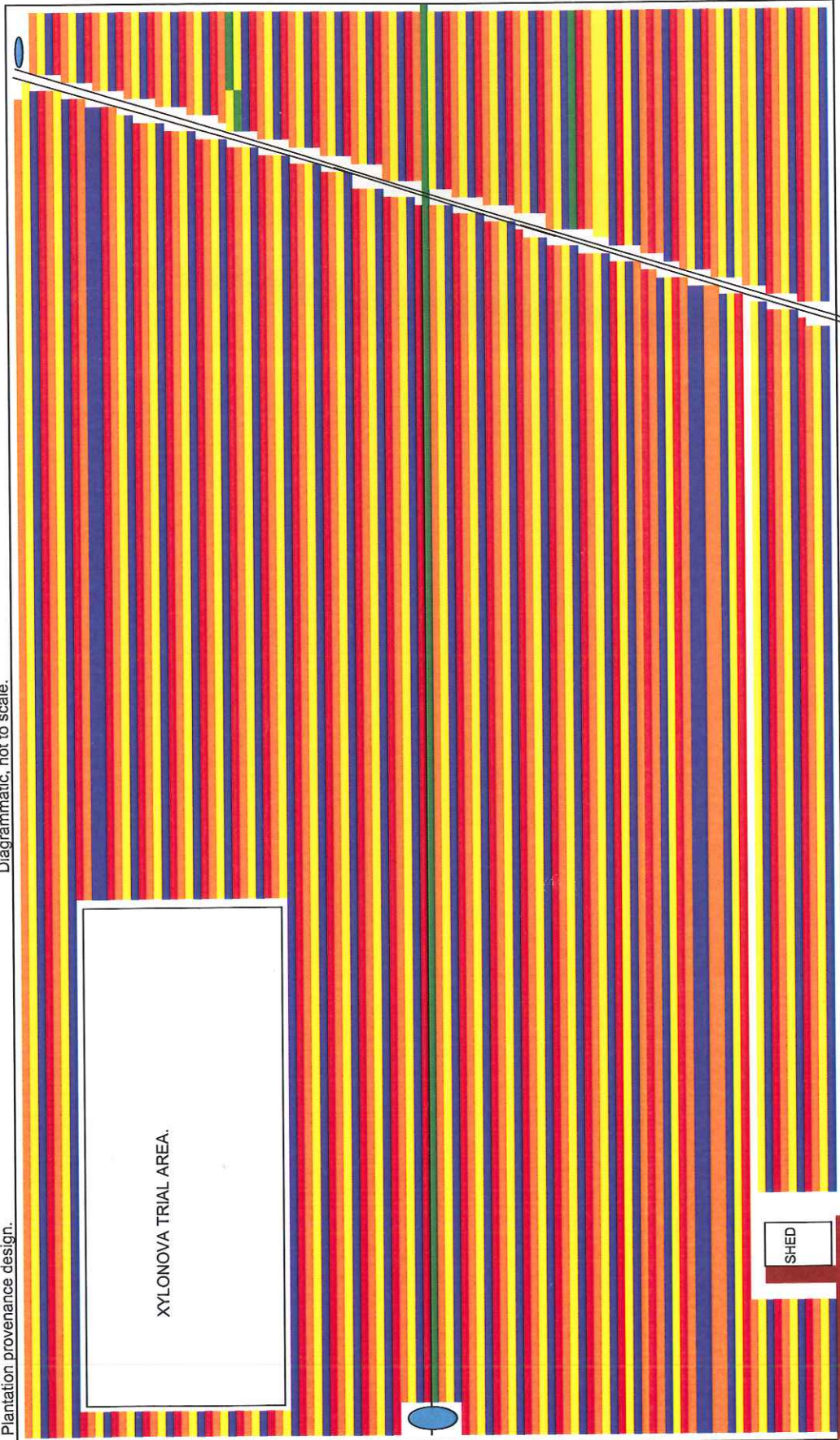
**Growth:**

Saltgrow have measured the hybrid trial on a regular basis.

Ray Borschmann 8/3/2007.

**Ian Coofes Red Gum Plantation, Byawatha.**  
Plantation provenance design.

Diagrammatic, not to scale.



- Douglas provenance
- Hindmarsh provenance
- Albacutya provenance
- Barmah provenance
- Road
- Drain

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