

**Trees For Life**  
**Carbon Neutral Program**  
**Planting Sites ~ 2008**

**Mannum, South Australia**

Located North of Mannum, 13ha of this 54ha private property was direct seeded in the Winter of 2008 with species native to the area to recreate a *Eucalyptus gracilis*, *Eucalyptus socialis* and *Acacia microcarpa* grassy woodland.



The property outlined in white showing the revegetation area in green

This parcel of land has an interesting history. It was part of a stock route running from the Northern pastoral country to the township of Mannum. The government of the day required the landholders to clear these areas to allow the droving of stock along the route.

**Planting Dates**

Direct seeding was undertaken on the 4<sup>th</sup> and 17<sup>th</sup> July 2008 using the 'V' blade seeding machine. The 'V' blade seeder is mounted behind a tractor and is utilised in low rainfall areas and on sites that have sandy soil. It allows for the seeding process to be chemical free as it scrapes the top soil and weeds away from the immediate planting site.



Looking East across the area to be revegetated.  
Photo taken on 25<sup>th</sup> May 2007.



Looking west across the revegetation site shortly after direct seeding was carried out. The "V" blade seeder creates a wide, shallow scalp in the soil, creating a catchment to channel available moisture to the seed bed. Photo taken on 4<sup>th</sup> July 2008.



Detail of germination March 2009

This location has been badly affected by drought so germination has been slow and patchy. Slightly better and more sustained rainfall this year should lead to further germination. If at the end of the next season the germination has not reached target, we will replant the areas that have not done well. Direct seeding is slower to show results but creates a more robust natural planting in the long term.

**Species Planted on the Site:**

*Acacia* sp: *hakeoides*, *ligulata*, *microcarpa*, *notabilis*, *oswaldii*

*Callitris gracilis*

*Dodonaea viscosa angustissima*

*Enchylaena tomentosa*

*Eucalyptus* sp: *brachycalyx*, *gracilis*, *leptophylla*, *oleosa*, *phenax*, *socialis*

*Melaleuca lanceolata*

*Pittosporum phylliraeoides*

*Rhagodia parabolica*

*Senna artemisioides mixed ssp*

**Planting density target:**

9,750 local native trees and shrubs.

**Carbon Offset Subscription Status:**

Fully subscribed by ACER Computers Australia