

Carbon Neutral Program



Site 141	Mannum North, South Australia	
Protection	100 years	
Registered on Title	Yes, October 2008	
Planted	June 2008, May 2009	
Method	Direct Seeding	
Target	2008 planting	7,500 trees and shrubs
	2009 planting	11,250 trees and shrubs
First Audit results	2008 planting	3,680 trees and shrubs = 48%
	2009 planting	24,574 trees and shrubs = 218%

Funded through donations from:

2008 season planting:

Jackman Parker Evans, Eco Pest Control, Centre for Sleep Research - University of South Australia, Medical Board of South Australia, Rotary Club of Adelaide, CDAA, Shearer + Elliss Chartered Accountants, Grosset Wines and Envestra Ltd.

2009 season planting:

Satisfac Credit Union, Elderton Wines, Thorpe – Bowker, Tony Zappia MP

2011 additional plant allocations:

Abbott Printers & Stationers, Retirement Village Association, Whyalla Veterinary Clinic, Credit Union SA, R. Vanstone, R Harper, Hahndorf Hill Winery, Transdirect

Site details

This site has been direct seeded using local provenance seed sourced from native plants within the area. The direct seeding was undertaken 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 process to be chemical free if required as it scrapes the top soil and weeds from around the immediate planting site. This land is in a marginal rainfall area and so germination and growth is generally slow.

Species planted on site:

Acacia sp: brachybotra, hakeiodes, ligulata, microcarpa, nyssophylla, oswaldii, pycnantha
Callitris gracilis
Dodonaea viscosa angustissima
Enchylaena tomentosa
Eucalyptus sp: brachycalyx, calycogona, gracilis, leptophylla, oleosa, phenax, porosa, socialis
Melaleuca lanceolata
Pittosporum phylliraeoides
Rhagodia sp: crassifolia, parabolica
Senna artemisioides mixed ssp

Audit results

Survival rates for all the sites planted in 2008 are below target due to severe drought conditions in South Australia in that year. With direct seeding there is the possibility of further germination up to 5 years from seeding. However, to ensure we meet our target stems on this site we will conduct some infill planting in 2011. Germination in the 2009 planting exceeded our expectations with an estimated 24,574 plants present. No infill will be required for this planting.

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Planting location on site:



Addressing such problems as soil erosion, water quality and salinity, and adding biodiverse habitat to this region are important additional benefits of revegetation efforts to off-set greenhouse gases.

Site Update, October 2011:

2008 Area

In an effort to redress the shortfall of stem numbers in the 2008 seeded areas, a further 8km of direct seeding was done on the 2nd August 2011 to remediate the poorest areas. The 2008 area was over-sprayed on 7th and 8th June to prepare for this work.

2009 Area

As stem numbers have been exceeded no further seeding is necessary.

Seedlings in both areas are still small and below the weed line so they are not yet obvious in whole of site photos.

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GENERAL PHOTOS OF SITE PROGRESS

Latest photos: February 2011 of 2008 plantings



A row of established plants showing good growth after an exceptional rainfall year



A very healthy *Pittosporum angustifolium*



River Murray lagoon full of water after exceptional 2010 rainfall of 507mm

Next update due: April 2012

