

Carbon Neutral Program



Site 109	Gladstone, South Australia
Protection	100 years
Registered on Title	Yes, August 2009
Planted	28 th August 2008
Method	Direct Seeding supplemented by tubestock in subsequent years
Target	17,000 plants
First Audit	11,960 plants
Follow up audit due	April 2012
Final audit due	June 2013
Funded by	Acer Computers Australia

Planting location on site:



Site details

Located near Gladstone, 16.4 ha of this 28ha site was revegetated in 2008 using direct seeding. A further 3.6 ha was hand direct seeded in 2009. There are small pockets of remnant vegetation on the site which will be protected and enhanced, and areas of gully erosion will be stabilised as the revegetation establishes. A section of the renowned Heysen Trail runs along the southern perimeter of the site and its many visitors will benefit from the improved biodiversity being created.

Species Planted on the Site:

Acacia sp: brachybotrya, calamifolia, notabilis, pycnantha, salicina, victoriae
Allocasuarina verticillata
Bursaria spinosa
Callitris gracillis

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Dodonaea viscosa
Eucalyptus sp: leptophylla, odorata, phenax, porosa, socialis
Rhagodia parabolica
Senna artemisioides mixed sub species

Site Update, October 2011:

Comprehensive on-ground works were conducted on the 10th, 11th and 12th August 2011.
330 tube-stock seedlings were planted
50km of direct seeded rows were over-sprayed to reduce weed competition
14km of direct seeding was done
Weed control was carried out on boxthorns, artichoke & horehound across the site
A stem audit was done

Site audit

A random stem count was done on 12th August 2011. The extrapolated results show 11,960 established seedlings of a projected 17,000. With good weed control having been done on all seeding rows it is expected that further germination will take place in the existing rows. In addition 14km of new seeding rows were planted comprising 28% of the overall site. These steps are hoped to fulfil our goals on this site.



Volunteers preparing seedlings for planting (11-Aug-11)



Eradicating boxthorns under the remnant *Eucalyptus odorata* (12-Aug-11)

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TFL staff member Alex Coombe standing among *Eucalyptus odorata* planted in 2008 (20-May-11)

Natural recruitment

As well as those seedlings direct seeded or hand planted, many native understorey plants have regenerated and moved into areas sprayed out in the direct seeding rows. Patches of *Austrostipa* sp. (Spear grass), *Austrodanthonia* sp. (Wallaby grass), *Themeda* sp. (Kangaroo grass), *Eneapogon nigricans* (Black heads), *Lomandra* sp. (Iron grass), *Dianella* sp. (flax lily) and even a patch of *Tridodia irritans* (porcupine grass) are now across the site. There is also *Eremophilla* sp. (emu bush), *Vittadinia* sp. (New Holland daisy), *Gonocarpus* sp. and various lilies.

GENERAL PHOTOS OF REVEGETATION AREA



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Natural regeneration of under-storey grasses and shrubs is adding to the biodiversity of this site. (20-May-11)

Next update due: May 2012