

## Carbon Neutral Program

<b>Site 145</b>	Mt Compass, South Australia
<b>Planted</b>	29 <sup>th</sup> September and 7 October 2009
<b>Protection</b>	100 years
<b>Audit due</b>	September 2012
<b>Method</b>	Direct Seeding supplemented by tubestock in subsequent years
<b>Target</b>	12,100 plants
<b>Funded by</b>	Acer Computer Australia

### Planting location on site:



### Site details

Mt Effie lies 3 kilometres north-east of Mt Compass on the Fleurieu Peninsula.. 10 hectares of direct seeding on cleared land at the base and side of Mt Effie was commenced in 2009 and will be completed in 2010. The planting will buffer and link the substantial remnant vegetation areas on the property that have been placed under protective Heritage Agreement by the landholder. The land varies from gentle to extreme slopes and a combination of machine and hand direct seeding will be used to carry out the revegetation.

### Species planted on site:

Acacia sp, paradoxa, pycnantha, retinodes (hill form)  
 Allocasuarina sp: verticillata, muelleriana, striata  
 Bursaria spinosa  
 Callistemon sieberi

Dodonaea viscosa spatulata  
Eucalyptus sp, baxteri, cosmophylla, fasciculosa, leucoxyton, obliqua  
Leptospermum sp: continentale, lanigerum  
Xanthorrhoea semiplana

**Site Update, February 2011:**

Growth excellent, tube-stock looking good, high survival rate

**Site Update, July 2010:**

Seedlings are generally establishing very well. The upper areas are excellent with dense germination and rapid growth. The steep slopes where hand direct seeding was carried out have developed well, except in one area where rabbits have damaged germinating seedlings. The lower slopes have patchy germination. Rabbits have been active in this area also and affected establishment. To redress the damage caused by rabbits on the lower slopes, a planting day was held on 26th June. Staff from the Adelaide Convention Centre undertook the plantings and guarded the new seedlings.

There were also areas of blackberry that required control. This was carried out on 15th March by staff and volunteers and the results have been good.

**GENERAL PHOTOS OF SITE PROGRESS**



February 2011: An area of hand direct seeding with healthy species diversity



February 2011: Rows of direct seeding atop Mt Effie



June 2010



May 2010

Direct seeding rows showing germination of seedlings.



**May 2010**  
Establishment of *Eucalyptus fasciculosa*, *Acacia paradoxa*, and *Acacia pycnantha*



**January 2010**  
Healthy *Acacia paradoxa*, *Dodonaea viscosa spatulata* and *Allocasuarina verticillata* in direct seeding rows



**September 2009**  
Volunteers hand direct seeding on steep slopes under Mt Effie



**December 2009**  
Trees For Life volunteers collecting *Eucalyptus baxteri* branches on Mt Effie for seed requirements

**Other environmental initiatives on this site:**

A spring fed dam adjacent the upper slopes of the Carbon Neutral revegetation has been stocked with Yarra Pygmy Perch taken from the lower lakes area of the Murray River in an attempt to protect the species from extinction. Recent counts have been heartening with substantial numbers and several generations apparent in the dam. Some of these fish will now be transferred to other dams to maintain healthy populations whilst the river system recovers from a decade of drought and low water flows.

**Photo:** April 2010



Researchers carrying out Yarra Pygmy Perch counts in the spring fed dam with Carbon Neutral planting rows in the background



**Measuring and recording Pygmy Perch**

Next update due: September 2011