
REHABILITATION OF ABANDONED MINING LANDS TRUST FUND

PUNCHS TERROR DUNORLAN, NORTHERN TASMANIA QUARRY REHABILITATION PROGRAM PROGRESS REPORT JUNE 2006



Background/Summary

Punchs Terror is an abandoned quarry approximately 12 kilometres northwest of Deloraine in northern Tasmania (Map 1). Apart from the visual impact created by quarrying, the site has been identified as a source of sediment deposits in the Lobster River (Map 1). Nigel Bedford Civil Engineer was contracted in 2005 to prepare a rehabilitation plan and manage the earthworks component of the project. Seeding was undertaken in May 2006 and an infestation of thistle has been noted for future treatment.

Aims

- Stabilise surface material through re-contouring, drainage works and establishing vegetation ground cover.
- Improve the visual amenity of the site.

Procedures

On-ground works were carried out during November and December 2006 by Treloar Transport of Sheffield and supervised by Nigel Bedford.

Local provenance seed was collected by Wildseed Tasmania, with an emphasis on pioneer species to promote rapid ground cover over the site (Table 1). The species mix was also recommended by Wildseed.

Graham Swinsburg (a horticulturalist from Weegen) was contracted to treat and spread seed in May 2006. Consideration was given to micro-environments of the site in regard to the requirements of each species.

Activities/Outcomes

Earthworks and re-contouring were completed in December 2005 over an area of approximately 2 hectares. Drainage diversion channels and sediment traps were created to reduce sediment transport from the site until vegetation cover is established. A completion report for earthworks was provided by Nigel Bedford Civil Engineer (available on file).

The site was sown with native seed during May 2006. Because of delays in securing seed, only a light sowing was undertaken using species most likely to either strike or survive until spring 2006. Adequate seed has been retained to undertake intensive sowing in autumn 2007.

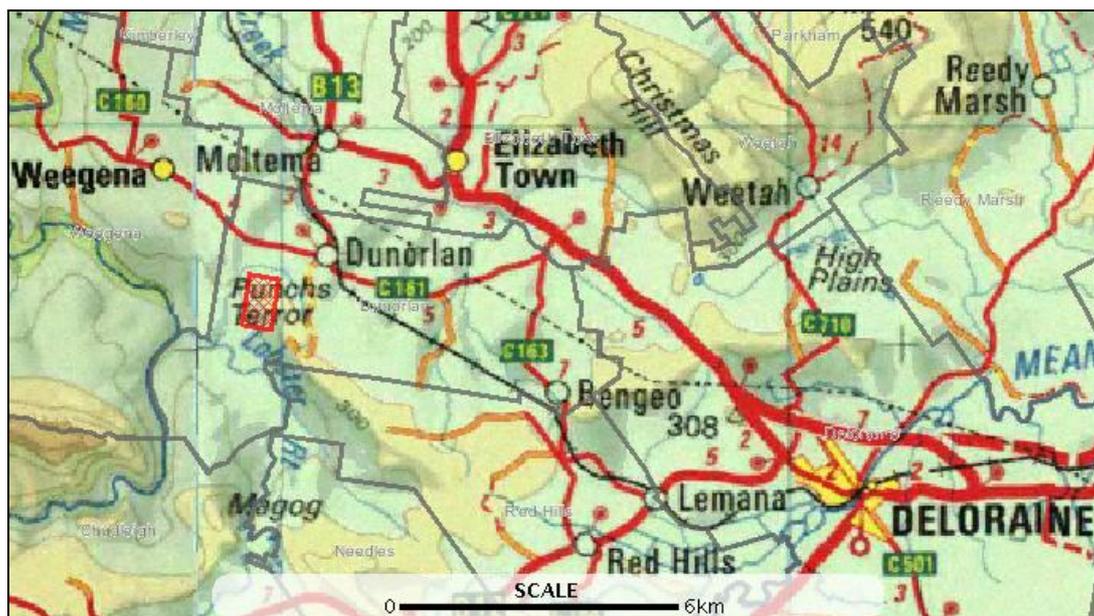


Figure 1. Drainage channel and sediment trap

Recommendations

The following activities are recommended for the 2006/07 budget period:

- Undertake a weed survey during spring 2006 and take appropriate action to manage weeds. This will probably involve treating thistle infestation with biodegradable glyphosate and Radiata Pine by cut and pasting, leaving base and roots of each plant in place to maintain soil stability.
- Undertake a more thorough revegetation effort during autumn 2007 using the balance of seed collected by Wildseed Tasmania and locally cut slash.



Map 1. Site location

Species Name	Common Name
<i>Acacia dealbata</i>	Silver Wattle
<i>Acacia melanoxylon</i>	Blackwood
<i>Acaena novae-zelandii</i>	Buzzy
<i>Aotus ericoides</i>	Golden Pea
<i>Cassinea aculeata</i>	Daisy Bush
<i>Coprosma quadrifida</i>	Native Berry
<i>Daviesia latifolia</i>	Native Hop
<i>Eucalyptus amygdalina</i>	Black Peppermint
<i>Eucalyptus obliqua</i>	Stringy Bark
<i>Eucalyptus ovata</i>	Black Gum
<i>Juncus sp.</i>	Rush
<i>Leptospermum scoparium</i>	Manuka
<i>Lomandra longifolia</i>	Sagg
<i>Pultenaea daphnoides</i>	Native Daphne
<i>Pultenaea juniperina</i>	Prickly Beauty
<i>Senecio sp.</i>	Fireweed

Table 1. Local provenance species recommended and supplied by Wildseed Tasmania.