

rehabilitation of a quarry area

Landholder	Michael Hodgson
Map reference	15
Land use	Conservation
Soil Erosion Solutions Grant	\$8,250 (trees, shrubs, grass seed, fertiliser)
Landholder's in-kind contribution	\$10,460 (bank construction, sediment dam construction, deep ripping, labour)



Ripping and reshaping the surface



Constructing the diversion drain above the site



The slope before works

The site

Large quantities of soil had been removed from this hillside property to construct a levee bank for the Clarence River. The area where the soil had been taken from was left barren and the slope had eroded badly.

The project

- Diversion drains were constructed above the eroded slopes to divert water around the vulnerable area..
- The eroded slopes were deep ripped and the surface reshaped.
- Trees and shrubs were planted at a density of 800 plants per hectare.
- Fertiliser and pasture seed were spread over the rehabilitated area.
- A sediment dam was constructed below the site to catch sediment before it entered the river.

The benefits

- A very degraded site has been largely stabilised
- Any further eroding soil is being caught in the sediment dam.
- The establishment of native trees and shrubs on the site has increased its conservation value.

Landholder's experience

What was the **best thing** about this project?

"The project has done a fantastic job of stopping erosion and redirecting water to non-eroding routes. The soil at the quarry site now supports pasture."

What was the **most difficult** aspect of the project?

"Someone stole steel posts and sediment fencing from the project site. We were disappointed initially that pasture establishment was patchy. We did a soil test that told us we needed different fertilisers – so applied and pasture is establishing better."



The rehabilitated site