

tree planting to reduce mass movement risk

Landholder	Stephen Marshall
Map reference	5
Land use	Grazing
Soil Erosion Solutions Grant	\$3,705 (contract fencing, trees, fertiliser, mulch and planting)
Landholder's in-kind contribution	\$3,705 (contract fencing, trees, fertiliser, mulch and planting)

The site

A steep property with a watercourse flowing through the centre had numerous slip areas, several of which had developed into gullies.



One of the gullies just after fencing and planting

The project

- Slip and gully erosion areas were fenced to prevent stock access worsening the erosion.
- Rainforest trees were planted to remove water from the soil profile and hold the soil in place with their deeper root systems.

The benefits

- The bare areas now have vegetation cover.
- The established trees will provide better long term stability to the slope.
- The protected rainforest plantings have improved farm biodiversity.

Landholder's experience

What was the **best thing** about this project?
"The ease of the application process which was facilitated by DPI staff."



A newly planted tree

What was the **most difficult** aspect of the project?
"The maintenance of the planting – which is going well."



Mulch piles indicate the position of tree plantings

from a gully to a stable hillside

Landholder	Nick & Perina Oliver
Map reference	6
Land use	Grazing and rainforest remnants
Soil Erosion Solutions Grant	\$4,865 (electric fencing, geotech fabric, rocks, seed, trees, mulch)
Landholder's in-kind contribution	\$5,760 (tractor work and labour)

The site

A stock track on a steep slope had initiated a gully that had grown to 160 metres long and up to 2 metres deep. Soil from the gully was ending up in the nearby creek.



The gully before works

The project

- Cattle were excluded from the gully.
- Check dams of rock and geotech fabric were built at intervals down the gully.
- Some sections of the gully were lined with geotech fabric and filled with rock.
- The filled area was mulched over to allow grassing over.
- Trees were planted alongside the gully.

The benefits

- The hillside is now stable.
- Less sediment is entering the creek.
- The tree plantings link up with existing significant remnant vegetation.



Filling and mulching of the gully

Landholder's experience

What was the **best thing** about this project?
 "Stabilising the soil – it has worked a dream."

What was the **most difficult** aspect of the project?
 "The timetable was hard – our project needed a lot of labour so getting the work done in time with all the other things in life and on the farm was difficult. We were also worried by a sense of inflexibility of the plan we'd committed to for the funding when the best way to do the work only became clear after we'd started. In the end this was alright but it was more complicated than just doing things on your own."



The bottom of the filled gully with tree plantings behind