

Gully stabilisation

Landholder	Kempsey Rural Lands Protection Board
Map reference	14
Land use	Travelling stock reserve
Soil Erosion Solutions Grant	\$9,000 (design, earthworks)
Landholder's in-kind contribution	\$9,000 (earthworks, fencing, revegetation)

The site

The Greenhill travelling stock reserve is part of a system of lands set aside to enable the movement of livestock around the state. The reserve had a large eroding gully system dumping sediment into Fife and McKenzies creeks, and drainage from an adjacent road and cattle traffic were also contributing to the erosion.



In front of original gully, from left, Peter James, Kempsey RLPB and David Howley, NSW Soil Conservation Service

The benefits

- > A degraded area of the reserve is now stabilised and fenced off.
- > Stock can now access the rest of the reserve without further degrading the site.
- > There is less sediment pollution of downstream aquatic ecosystems.



Drop structure in construction

Landholder's experience

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

"Having the problem recognised as a priority and then receiving the funding to do the project before the situation worsened with the impending storm season. The opportunity to hold a field on site was very beneficial."

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

"Timing the work in with the inclement weather which caused some major delays."

The project

- > The area was fenced to exclude stock.
- > A rock drop structure was installed to reinforce a critical area in the gully and dissipate energy from the falling water.
- > Diversion banks were constructed to direct all water flow over the new structure.
- > The road's table drains were regraded to direct runoff water into the gully at suitable locations.
- > Road culverts were replaced with a larger pipe to minimise water flowing across the road to table drains.
- > The gully's side walls were battered for revegetation.



The finished rock chute