

# Soil Erosion Solutions

*Helping north coast landholders reduce soil erosion*

## An end to gully erosion



**Landholder:** Margaret Duffield and Peter Stackhouse  
**Location:** Upper Richmond catchment  
**Land use:** grazing and cropping  
**Soil Erosion Solutions Grant:** \$3,900  
**Landholder's in kind contribution:** \$4,010

**The site:** The deep gully was less than 1ha in area but the water flowing through it dumped sediment straight into Ironpot Creek, reducing water quality and threatening aquatic life. A constantly wet track at the gully head encouraged further erosion and threatened productive cropping paddocks.



### The project

- A large concrete pipe was installed to deliver water from a collection sump behind the gully head to a concrete-lined 'stilling basin' on the bottom of the fully floor.
- The area around the stilling basin was lined with concrete cores to secure

and roughen the surface to reduce the speed of the water flowing from the basin. Groundcovers will grow between the cores and further stabilise the soil.

- The sides of the gully were reshaped and planted with trees to halt further erosion.
- The area was fenced to exclude stock.

### The outcomes

- The collection sump and stilling basin have reduced the erosive potential of the water above the gully.
- Water turbulence is restricted to the concrete-lined gully floor.
- Sediment is no longer deposited in the creek.

