



Australian Government



Queensland Government



FITZROY BASIN ASSOCIATION

SNAPSHOT

Australia's largest streambank stabilisation project

FITZROY RIVER AT YAAMBA



1.2 kilometres of riverbank has been stabilised resulting in an annual saving of 90,000 tonnes of sediment from entering the Great Barrier Reef lagoon



“From the homestead, we could hear chunks of the riverbank falling away... It took us a few weeks to realise what the sound actually was.”

Scott Schneider
Property Owner



90,000 tonnes*
sediment savings
annually



\$1.8 million



September 2018 –
June 2019

AIM

Stabilise 1.2km of the Fitzroy River which lost 266,000 tonnes of sediment (and 20 metres of bank) during and after Severe Tropical Cyclone Debbie in March 2017.

WORKS SUMMARY

- Aerial survey 2017
- Site works and engineering design
- 200,000m³ soil excavation, creation of a raised paddock for stock safety in future floods
- 1,742 log piles (repurposed fallen trees from Cyclone Debbie)
- 887 cubic metres of rock beaching
- 70,000 native plantings sourced from local council nurseries (80% successful recruitment)
- 1.2km stock exclusion fencing
- Two coordinated aerial shoots for pest control

OUTCOMES

- 1.2km riverbank stabilised
- 90,000 tonnes* of sediments (including 30,000 tonnes fine sediment) saved from entering the Fitzroy River
- Nesting habitat protected for critically endangered White-throated Snapping Turtle and Fitzroy River Turtle
- 24 locals upskilled
- 12 full time jobs created in the region
- Collaboration between 21 suppliers and contractors
- High flood event cattle retreat with water and feed
- Improved resilience for the local ecosystem
- Over \$200,000 of specialised machinery secured in the region
- Improved pest management

* Source: modelling from endorsed project site reports

The project was delivered by Fitzroy Basin Association and jointly funded by the Commonwealth and Queensland Governments under the Natural Disaster Relief and Recovery Arrangements.