

# Case Study

Location: Ti West Cooljarloo, WA  
 Contractor: Brierty Contractors  
 Client: Ti West WA  
 Date: April 2006  
 Consultant: Ti West

**GEOFABRICS®**  
 Smarter Infrastructure

## Reno® Mattresses

An existing diversion channel which keeps water away from the main barge dredging operation within the mining site was being undermined on the slopes. The area is prone to frequent flash flooding.

To minimise the risk of flooding, the client decided a new channel further upstream from the working area was required.



Galvanised **Reno® 6x2x0.17m Mattresses** and underlying **bidim® A34** were used to create a protected slope on the new diversion channel. Approximately 1.3km of Reno mattress was installed. Reno's were installed in accordance with the manufacturer's instructions.

Other products used were the biodegradable **Jute Master**, to trap and encourage seed and resulting native vegetation.

Environmental issues are foremost in the mining operation, and the **Reno® Mattress** uses natural materials and has a proven history in this type of application.

Gabions were also used with associated culvert protection works.



[www.geofabrics.com.au](http://www.geofabrics.com.au)

<b>MELBOURNE</b> (03) 8586 9111 Fax: (03) 8586 9186	<b>SYDNEY</b> (02) 9821 3277 Fax: (02) 9821 3670	<b>BRISBANE</b> (07) 3279 1588 Fax: (07) 3279 1589	<b>PERTH</b> (08) 9309 4388 Fax: (08) 9309 4389	<b>ADELAIDE</b> (08) 8177 2055 Fax: (08) 8177 2044	<b>NEWCASTLE</b> (02) 4950 5845 Fax: (02) 4950 5895
<b>HOBART</b> (03) 6273 0511 Fax: (03) 6273 0686	<b>TOWNSVILLE</b> (07) 4774 8222 Fax: (07) 4774 8655	<b>BUNDABERG</b> (07) 4155 9968 Fax: (07) 4155 9968	<b>DARWIN</b> (08) 8984 1600 Fax: (08) 8984 1614	<b>GOLD COAST</b> (07) 5563 2131 Fax: (07) 5563 3727	