



## EROSION CONTROL

REF No. E/EC- 1085N

**Client:** Curragh Mine  
**Location:** Blackwater, North Queensland  
**Project:** Erosion Control Jute Mat

In what is understood to be the largest deployment of erosion mat in Australia and possibly the world, EarthTEC is set to get its name in the record books. EarthTEC's work at Curragh Mine, when completed later this year, will see over 1 million sqm. of Maccaferri Jute Mat installed as part of a major flood diversion channel. When you're rolling out one million square meters every cent counts, so EarthTEC explored every roll/pack configuration and mat type available to ensure we gave our client the best value for money.

Soil erosion is a major challenge for environmental engineers dealing with exposed surfaces, particularly newly formed batters and drains.

Maccaferri's jute mat is ideally suited to the Queensland mine envi-

ronment as it allows air and water to pass through the organic fibre matrix. This allows the soil beneath to breathe and promotes rapid germination and growth in the introduced seed mix. By protecting the vulnerable soil surface from erosion while the grass or other vegetation becomes

rap rock replacement which follows similar works at BMA's Goonyella Riverside Mine, which incorporated two large rock diversion drains and a major spillway remediation using a combination of Maccaferri gabions, Reno mattress, rock armour and concrete.

## One for the Record Books... Australia's Largest Erosion Mat Install

established, jute mat effectively reduces soil erosion losses.

EarthTEC offers a range of solutions from biodegradable ultra light weight mats, turf reinforcement mats to geocells, as well as hard armour solutions like grout mat, Reno mattress and rock armour.

EarthTEC's work at Curragh Mine also included 40,000sqm. of rip-

Contact our Sydney head office to meet with an EarthTEC representative in your state to discuss your project:

E [info@earthtec.com.au](mailto:info@earthtec.com.au)  
T +61 2 9420 8610  
F +61 2 9420 8650

